

1983 PER CAPITA CONSUMPTION REVIEW

A Strong Rebound from 1982

Per capita consumption of all textile fibers (excluding non-textile glass fiber) grew to 53.6 million pounds in 1983, a rise of nearly 9 pounds, or 20% over 1982.

In 1983, per capita consumption was at its highest level since 1979, when on average 54.0 pounds of textile fiber were consumed by each person in the United States (Table 2B). It is interesting to note that though domestic consumption of fiber reached an all time high in 1983 of 12,554.2 million pounds, the per capita consumption of fiber was only at its fifth highest level since 1970.

Although 1983 was a good year in terms of per capita consumption, industry trends tell a different story.

In the face of a rising general economy, with growth in not only per capita GNP but also population, the per capita consumption of textile fibers exhibits a steadily declining trend line (Graph 2). Since 1970, per capita GNP grew at a rate of 1.8%, while per capita textile fiber consumption declined at a rate of -0.4%.

TABLE & GRAPH SUMMARY

Tables and graphs contained in this feature are described below:

- Table 1:** Per capita GNP derived by dividing GNP data by population.
- Table 2A:** Per capita consumption of textile fibers including both textile and non-textile glass fiber. This table is consistent with data previously published in the *Textile Organon*.
- Table 2B:** Per capita consumption of textile fibers including only textile glass fiber. This data is making its first appearance in the *Textile Organon* and provides a more accurate account of textile fiber per capita consumption.
- Table 3:** Summary of domestic consumption data used to calculate the per capita consumption data found in Tables 2A and 2B.
- Table 4:** Summary of mill consumption of all fibers, excluding non-textile glass fiber.

Continued on page 75.

**GRAPH 1: PER CAPITA CONSUMPTION
(EXCLUDING NON-TEXTILE GLASS FIBER)**

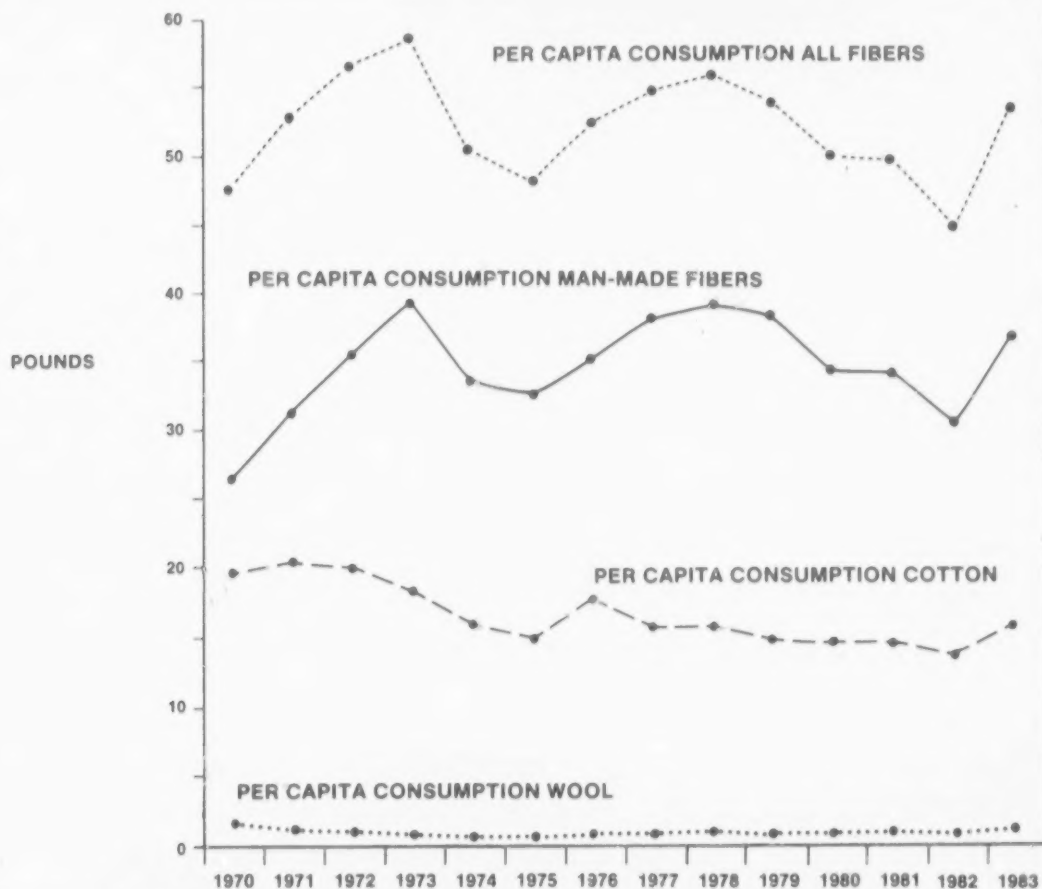


TABLE 1: U.S. POPULATION, GROSS NATIONAL PRODUCT (GOODS PRODUCED)^a & PER CAPITA GROSS NATIONAL PRODUCT

YEAR	POPULATION ^b	GNP	PER CAPITA ^c
1970	205.1	486.9	2,374
1971	207.7	497.2	2,394
1972	209.9	529.6	2,523
1973	211.9	572.3	2,701
1974	213.9	562.5	2,630
1975	216.0	547.4	2,534
1976	218.0	587.2	2,694
1977	220.2	628.1	2,852
1978	222.6	662.0	2,974
1979	225.1	677.7	3,011
1980	227.7	668.1	2,934
1981	229.8	692.6	3,014
1982	232.0	661.6	2,852
1983	234.2	667.0	2,933

Source: 1984 Economic Report of the President.
a. In billions of 1972 dollars.

b. In millions.
c. In dollars.

TABLE 2A: U.S. AVERAGE ANNUAL FIBER AVAILABLE FOR CONSUMPTION^a - INCLUDING TEXTILE & NON-TEXTILE GLASS FIBER
POUNDS

PERIOD ^b	POPULATION	PER CAPITA			
		MAN-MADE FIBER	COTTON	WOOL	TOTAL
1920-1924	110.2	0.2	23.8	4.0	28.0
1925-1929	118.9	0.7	26.0	3.6	30.3
1930-1934	124.9	1.4	20.5	2.6	24.5
1935-1939	129.1	2.7	24.9	3.4	31.0
1940-1944	135.1	4.7	35.1	4.5	44.3
1945-1949	144.2	6.6	28.0	4.8	39.4
1950-1954	157.6	9.0	26.9	3.8	39.7
1955-1959	171.9	10.3	23.7	3.0	37.0
1960-1964	186.4	12.9	22.6	3.0	38.5
1965-1969	198.6	22.9	23.0	2.5	48.4
1970-1974	209.7	35.1	18.9	1.2	55.2
1975-1979	220.4	39.5	15.6	0.9	56.0
1965	194.2	18.3	23.9	2.9	45.1
1966	196.5	20.2	25.1	2.7	48.0
1967	198.7	21.4	23.5	2.2	47.1
1968	200.7	26.7	21.9	2.4	51.0
1969	202.7	27.9	20.9	2.2	51.0
1970	205.1	27.7	19.7	1.7	49.1
1971	207.7	32.9	20.4	1.3	54.6
1972	209.9	37.5	19.9	1.3	58.7
1973	211.9	41.7	18.3	1.0	61.0
1974	213.9	35.9	16.0	0.7	52.6
1975	216.0	34.7	14.9	0.7	50.3
1976	218.0	37.5	16.9	0.9	55.3
1977	220.2	41.1	15.8	0.9	57.8
1978	222.6	42.4	15.8	1.0	59.2
1979	225.1	41.6	14.8	0.9	57.3
1980	227.7	37.5	14.7	0.9	53.1
1981	229.8	37.9	14.5	1.0	53.4
1982	232.0	33.6	13.5	0.9	48.0
1983	234.2	41.1	15.8	1.2	58.1

a. Based on total U.S. domestic consumption (Mill Consumption plus imports less exports of semimanufactured and manufactured products).

b. Five-year coverages for 1920-1979 and annual data for 1965-1983.

TABLE 2B: U.S. AVERAGE ANNUAL FIBER AVAILABLE FOR CONSUMPTION - EXCLUDING NON-TEXTILE GLASS FIBER
POUNDS

YEAR	PER CAPITA			
	MAN-MADE FIBER	COTTON	WOOL	TOTAL
1970	26.4	19.7	1.7	47.8
1971	31.3	20.4	1.3	53.0
1972	35.5	19.9	1.3	56.7
1973	39.3	18.3	1.0	58.6
1974	33.7	16.0	0.7	50.4
1975	32.8	14.9	0.7	48.4
1976	35.0	16.9	0.9	52.8
1977	38.1	15.8	0.9	54.8
1978	39.1	15.8	1.0	55.9
1979	38.3	14.8	0.9	54.0
1980	34.4	14.7	0.9	50.0
1981	34.2	14.5	1.0	49.7
1982	30.3	13.5	0.9	44.7
1983	36.6	15.8	1.2	53.6

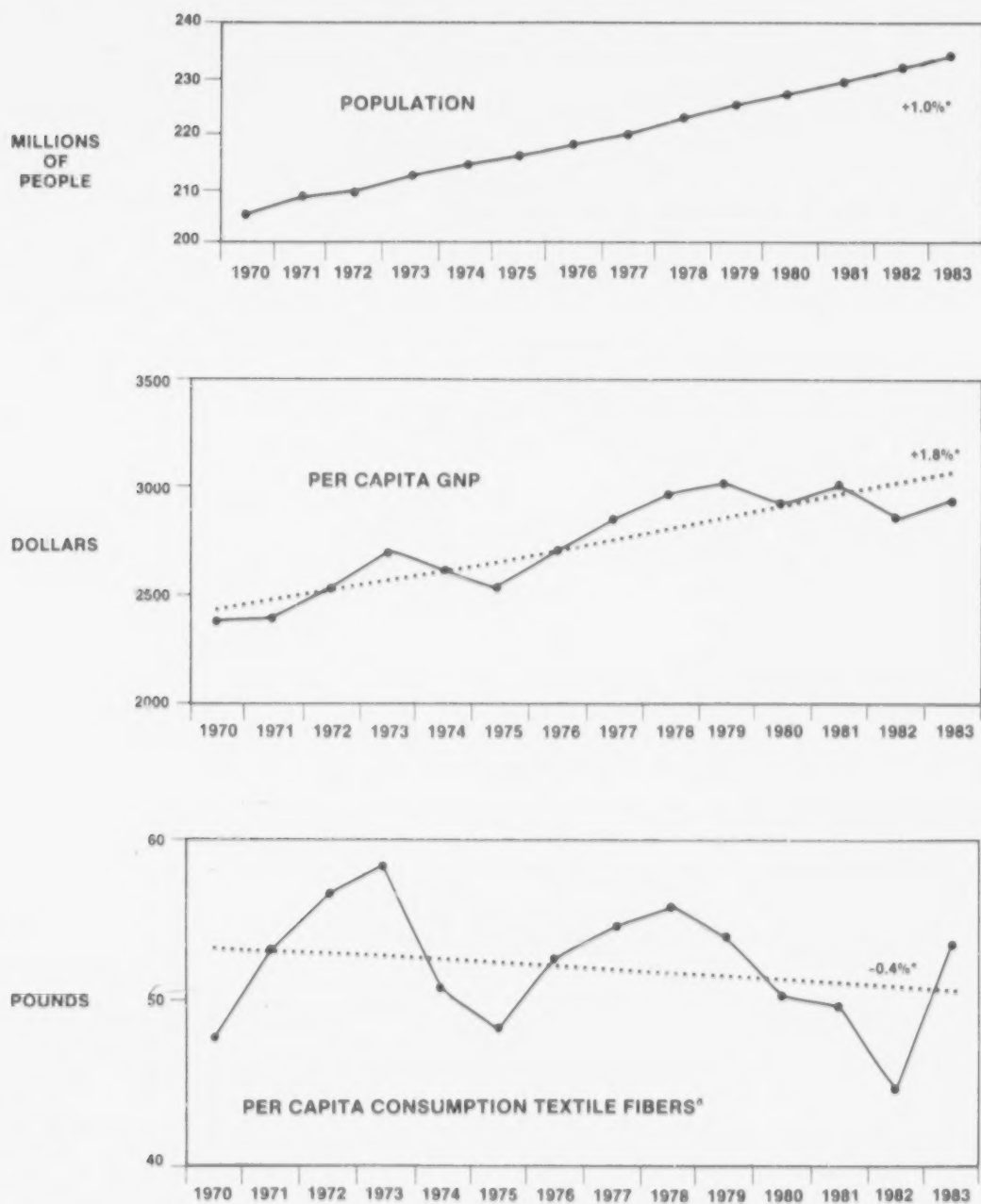
TABLE 3: DOMESTIC CONSUMPTION OF FIBER & PRODUCTS
MILLION POUNDS

YEAR	MAN-MADE FIBER (Non-Add) ^a	MAN-MADE FIBER ^b	COTTON	WOOL	TOTAL
1970	5683.1	5422.8	4037.5	354.3	9814.6
1971	6833.6	6508.7	4231.3	276.1	11016.1
1972	7868.6	7458.2	4170.1	279.3	11907.6
1973	8841.3	8322.3	3881.6	212.6	12416.8
1974	7678.6	7202.4	3416.3	146.8	10765.5
1975	7494.5	7081.2	3216.3	161.4	10458.9
1976	8179.8	7639.2	3684.4	198.7	11522.3
1977	9050.6	8400.3	3469.7	208.3	12078.3
1978	9428.6	8695.6	3530.1	222.2	12447.9
1979	9374.4	8625.3	3334.5	201.0	12160.8
1980	8529.2	7832.6	3352.2	199.1	11383.9
1981	8704.9	7863.4	3325.4	234.0	11422.8
1982	7788.4	7034.5	3122.7	218.8	10376.0
1983	9616.0	8582.1	3697.4	274.7	12554.2

a. Includes **both** textile and non-textile types of glass fiber.

b. Includes **only** textile glass fiber.

GRAPH 2: COMPARISON OF POPULATION, GNP & PER CAPITA CONSUMPTION OF TEXTILE FIBERS



a. Man-made fiber (excluding non-textile glass fiber) cotton & wool.

* Least Square Trend Line Growth Rate.

TABLE 4: MILL CONSUMPTION BY FIBER

YEAR	RAYON	ACETATE ^a	NYLON ^b	POLYESTER	ACRYLIC ^c	OLEFIN	GLASS ^d	COTTON	WOOL	TOTAL
1970	0.9	0.5	1.3	1.6	0.5	0.2	0.1	3.8	0.3	9.2
1971	1.0	0.5	1.7	2.0	0.5	0.3	0.1	4.0	0.2	10.3
1972	1.0	0.4	2.1	2.5	0.6	0.4	0.2	3.9	0.2	11.3
1973	1.0	0.4	2.3	3.1	0.7	0.5	0.2	3.6	0.2	12.0
1974	0.8	0.3	2.0	2.9	0.6	0.5	0.2	3.3	0.1	10.7
1975	0.5	0.3	2.0	3.1	0.5	0.5	0.1	3.1	0.1	10.2
1976	0.6	0.3	2.1	3.3	0.6	0.5	0.1	3.4	0.1	11.0
1977	0.6	0.3	2.3	3.6	0.7	0.6	0.1	3.2	0.1	11.5
1978	0.6	0.3	2.5	3.7	0.6	0.7	0.2	3.0	0.1	11.7
1979	0.5	0.3	2.7	3.8	0.6	0.7	0.2	3.1	0.1	12.0
1980	0.5	0.3	2.3	3.5	0.6	0.7	0.2	3.1	0.1	11.3
1981	0.5	0.2	2.2	3.5	0.5	0.8	0.1	2.7	0.2	10.7
1982	0.3	0.2	1.9	2.9	0.5	0.8	0.1	2.5	0.1	9.3
1983	0.4	0.2	2.4	3.5	0.5	0.9	0.2	2.8	0.2	11.1

a. Includes triacetate. Cigarette tow is excluded.

b. Includes aramid for all years but 1983.

c. Includes modacrylic.

d. Includes only glass fibers for Textile End Uses.

TABLE 5: PERCENT ANALYSIS OF POPULATION, PER CAPITA GNP (Goods Produced) AND PER CAPITA CONSUMPTION OF MAN-MADE FIBER^c, COTTON & WOOL

YEAR	POPULATION	% ^a	PER CAPITA GNP	% ^a	PER CAPITA CONSUMPTION MAN-MADE FIBER	% ^a	PER CAPITA CONSUMPTION COTTON	% ^a	PER CAPITA CONSUMPTION WOOL	% ^a	PER CAPITA CONSUMPTION ALL FIBERS	% ^a
1970	205.1	--	2,374	--	26.4	--	19.7	--	1.7	--	47.8	--
1971	207.7	+1.3	2,394	+0.8	31.3	+18.6	20.4	+3.5	1.3	-23.5	53.0	+10.9
1972	209.9	+1.1	2,523	+5.4	35.5	+13.4	19.9	-2.5	1.3	--	56.7	+7.0
1973	211.9	+0.9	2,701	+7.0	39.3	+10.7	18.3	-8.0	1.0	-23.1	58.6	+3.4
1974	213.9	+0.9	2,630	-2.6	33.7	-14.2	16.0	-12.6	0.7	-30.0	50.4	-14.0
1975	216.0	+1.0	2,534	-3.7	32.8	-2.7	14.9	-6.9	0.7	--	48.4	-4.0
1976	218.0	+0.9	2,694	+6.3	35.0	+6.7	16.9	+13.4	0.9	+28.6	52.8	+9.1
1977	220.2	+1.0	2,852	+5.9	38.1	+8.9	15.8	-6.5	0.9	--	54.8	+3.8
1978	222.6	+1.1	2,974	+4.3	39.1	+2.6	15.8	--	1.0	+11.1	55.9	+2.0
1979	225.1	+1.1	3,011	+1.2	38.3	-2.0	14.8	-8.3	0.9	-10.0	54.0	-3.4
1980	227.7	+1.1	2,934	-2.6	34.4	-10.2	14.7	-0.7	0.9	--	50.0	-7.4
1981	229.8	+0.9	3,014	+2.7	34.2	-0.6	14.5	-1.4	1.0	+11.1	49.7	-0.6
1982	232.0	+1.0	2,852	-5.4	30.3	-11.4	13.5	-6.9	0.9	-10.0	44.7	-10.1
1983	234.2	+0.9	2,933	+2.8	36.6	+20.8	15.8	+17.0	1.2	+33.3	53.6	+19.9

Population is in millions of people.

Per Capita GNP is in dollars.

All other Per Capita Consumption data are in pounds.

All data are taken from the tables on page 68.

a. Percent change year to year.

b. Percent change since 1970.

c. Man-made fiber data exclude non-textile glass fiber.

TABLE 6: RAW FIBER EQUIVALENT OF IMPORTS OF MAN-MADE FIBER, COTTON & WOOL MANUFACTURES

TABLE 6. RAW FIBER																																				
COMMODITY	MAN-MADE FIBER						COTTON						WOOL																							
	1978			1979			1980			1981			1982			1983			1978			1979			1980			1981			1982			1983		
IMPORTS																																				
SEMI-MANUFACTURED PRODUCTS																																				
YARN, THREAD, ETC.																																				
CLOTH																																				
SUBTOTAL																																				
MANUFACTURED PRODUCTS																																				
WEARING APPAREL																																				
INDUSTRIAL																																				
HOME FURNISHINGS																																				
ALL OTHER																																				
SUBTOTAL																																				
TOTAL IMPORTS																																				

All of these data are taken from the table on page 39, March/April 1984 Textile Organon.

TABLE 7: PER CAPITA CONSUMPTION OF IMPORTS OF MAN-MADE FIBER, COTTON & WOOL MANUFACTURES
AS COMPARED TO PER CAPITA CONSUMPTION OF MAN-MADE FIBER, COTTON & WOOL

TABLE 7: PER CAPITA CONSUMPTION OF FIBER AS COMPARED TO PER CAPITA CONSUMPTION OF MEAT																									
POUNDS & Percent																									
YEAR	IMPORTS											DOMESTIC FIBER CONSUMPTION													
	MAN-MADE FIBER					COTTON						WOOL			MAN-MADE FIBER				COTTON			WOOL			
	TOTAL		% ^a		% ^b	TOTAL		% ^a		% ^b	TOTAL		% ^a		% ^b	TOTAL		% ^a		% ^b	TOTAL		% ^a		% ^b
1978	2.9	--	1.9	--	65.5	3.8	--	1.9	--	50.0	0.4	--	0.2	--	50.0	39.1	--	15.8	--	--	1.0	--	--	1.0	-10.0
1979	2.3	-20.7	1.6	-15.8	69.6	3.3	-13.2	1.9	--	57.6	0.4	--	0.2	--	50.0	38.3	-2.0	14.8	-6.3	0.9	-0.7	0.9	--	0.9	--
1980	2.4	+4.3	1.7	+6.2	70.8	3.6	+9.1	2.0	+5.3	55.5	0.4	--	0.2	--	50.0	34.4	-10.2	14.7	-0.7	1.0	-1.4	1.0	+11.1	1.0	+11.1
1981	2.8	+16.7	1.9	+11.8	67.9	4.2	+16.7	2.2	+10.0	52.4	0.4	--	0.2	--	50.0	34.2	-0.6	14.5	-1.4	0.9	-1.4	0.9	-10.0	0.9	-10.0
1982	3.0	+7.1	2.1	+10.5	70.0	3.9	-7.1	2.2	--	56.4	0.4	--	0.2	--	50.0	30.3	-11.4	13.5	-6.9	1.2	+17.0	1.2	+33.3	1.2	+33.3
1983	3.8	+26.7	2.5	+19.0	65.8	4.8	+23.1	2.7	+22.7	56.3	0.6	+50.0	0.3	+50.0	50.0	36.6	+20.8	15.8	+17.0	1.2	--	1.2	--	1.2	--

-- Means no change.

a. Percent change from previous year.

b. Percent of total imports of semimanufactured & manufactured products.

MAY 1984 CAPACITY SURVEY ANALYSIS

Capacity Utilization Rises

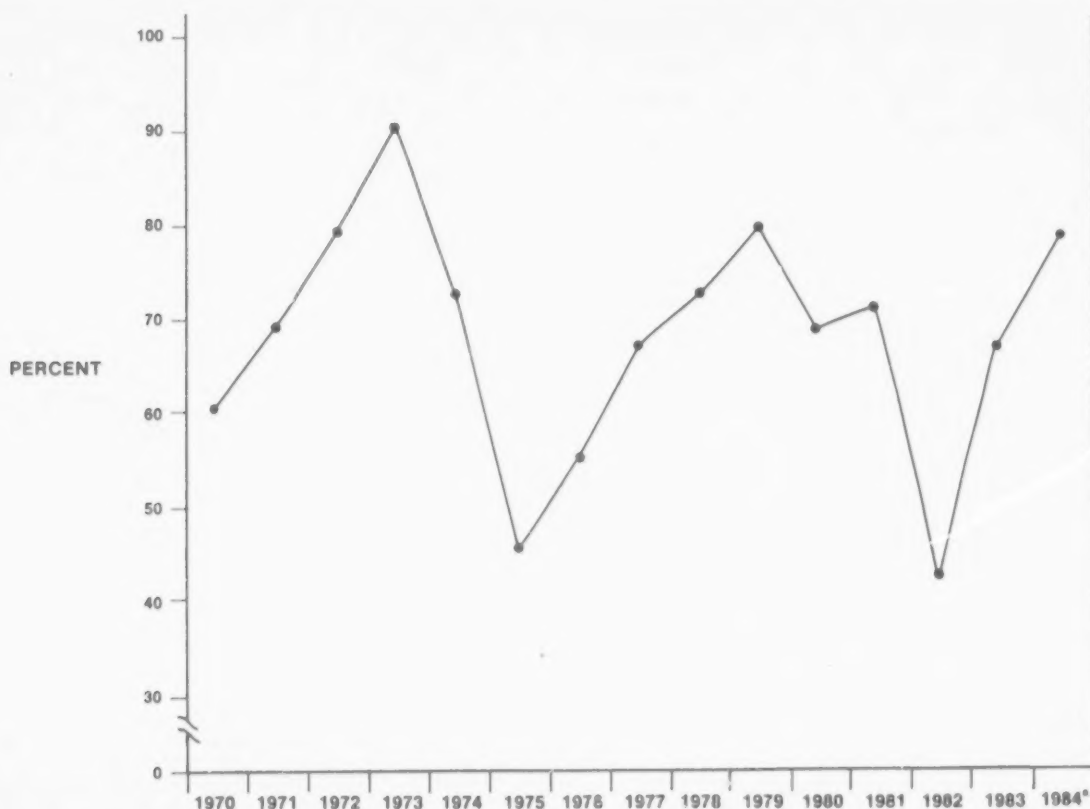
Capacity utilization rates rose dramatically for the first four months of 1984. Based on annualized January-April production data and May 1984 Capacity Survey results, the capacity utilization rate for the U.S. man-made fiber industry stood at 79.3%, as compared to 78.7% in 1983 (Graph 3).

Even though utilization rates rose, total industry capacity rose 1.8% to 11,974 million pounds. Due to growth in polyester and olefin+vinylon, noncellulosic staple+tow capacity increased sharply from 4,827 million pounds as of the November 1983 *Organon* Capacity Survey, to 4,933 million pounds (Table 8B).

Since November 1983, the filament yarn capacity grew from 4,477 to 4,518 million pounds with major increases in nylon carpet and olefin (Table 8B).

With this most current Survey, the gap between noncellulosic staple+tow and noncellulosic filament yarn capacity continued to widen. Since 1981, when staple+tow capacity surpassed filament yarn capacity, the gap has grown from 184 million pounds to 415 million pounds. In fact, projected capacity levels indicate that by May 1985 the gap will stand at 509 million pounds (Graph 4).

GRAPH 3: INDUSTRY CAPACITY UTILIZATION



a. Utilization based on May 1984 capacity survey and annualized January-April production data.

TABLE 8A: U.S. MAN-MADE FIBER PRODUCTION & PRODUCING CAPACITY
MILLION POUNDS & Average Denier

PERIOD	CELLULOSIC FIBERS							NONCELLULOSIC FIBERS ^a			TEXTILE GLASS TOTAL ^c	GRAND TOTAL MAN-MADE FIBERS			
	FILAMENT YARN+MONOFIL				STAPLE+TOW							YARN +MONO	STAPLE +TOW	TOTAL	
	RAYON	ACETATE ^b		TOTAL	RAYON	ACE-TATE ^b	TOTAL								
		LBS	DENIER												
ACTUAL ANNUAL PRODUCTION															
1970	268	463		731	607	35	642	1373	1793	1793	3586	467	2991	2435	5426
1971	304	449		753	612	26	638	1391	2188	2105	4293	468	3409	2743	6152
1972	252	401		653	713	28	741	1394	2773	2583	5356	572	3998	3324	7322
1973	198	437		635	697	25	722	1357	3339	2970	6309	688	4662	3692	8354
1974	172	362		534	645	20	665	1199	3443	2780	6223	683	4660	3445	8105
1975	65	301		366	371	12	383	749	3209	2677	5886	546	4121	3060	7181
1976	68	287		355	475	11	486	841	3306	3320	6626	676	4337	3806	8143
1977	71	282		353	527	8	535	888	3674	3654	7328	787	4814	4189	9003
1978	62	301		363	535	7	542	905	3830	3953	7783	923	5116	4495	9611
1979	57	317		374	549	7	556	930	4155	4282	8437	1014	5543	4838	10381
1980	47	309		356	443	7	450	806	3744	4148	7892	867	4967	4598	9565
1981	48	257		305	461	4	465	770	3815	4191	8006	1041	5161	4656	9817
1982	33	195		228	355	1	356	584	3057	3403	6460	899	4184	3759	7943
1983	26	228		254	375	1	376	630	3568	3970	7538	1169	4991	4346	9337
ACTUAL & PROJECTED CAPACITY, ANNUAL RATE, AS OF -															
NOV 1970 ^a	360	494	NA	854	819	40	859	1713	2440	2422	4862	657	3951	3281	7232
NOV 1971 ^a	337	490	NA	827	757	30	787	1614	2796	2620	5416	696	4319	3407	7726
NOV 1972 ^a	235	486	NA	721	761	30	791	1512	3362	3034	6396	721	4804	3825	8629
NOV 1973 ^a	224	473	NA	697	768	28	796	1493	3738	3302	7040	739	5174	4098	9272
NOV 1974 ^a	172	449	NA	621	724	28	752	1373	4175	3584	7759	821	5617	4336	9953
NOV 1975 ^a	100	384	NA	484	737	18	755	1239	4640	3796	8436	909	6033	4551	10584
NOV 1976 ^a	85	399	NA	484	691	18	709	1193	4878	4254	9132	893	6255	4963	11218
NOV 1977 ^a	85	315	89	400	655	8	663	1063	4974	4394	9368	1002	6376	5057	11433
NOV 1978 ^a	83	330	87	413	665	8	673	1086	5000	4571	9571	1118	6531	5244	11775
NOV 1979 ^a	75	355	89	430	671	8	679	1109	5126	4678	9804	1305	6861	5357	12218
NOV 1980 ^a	63	324	88	387	514	8	522	909	4933	4714	9647	1473	6793	5236	12029
NOV 1981 ^a	52	332	95	384	509	5	514	898	4766	4950	9716	1561	6711	5464	12175
NOV 1982 ^a	63	318	96	381	510	4	514	895	4583	4781	9364	1718	6682	5295	11977
NOV 1983 ^a	63	268	95	331	510	4	514	845	4477	4827	9304	1618	6426	5341	11767
MAY 1984 ^f	63	268	95	331	510	4	514	845	4552	4996	9548	1753	6636	5510	12146
NOV 1984 ^f	63	268	95	331	510	4	514	845	4518	4933	9451	1676	6527	5447	11974
MAY 1985 ^f	63	268	95	331	510	4	514	845	4581	5049	9630	1813	6725	5563	12288
NOV 1985 ^f	63	268	95	331	510	4	514	845	4601	5112	9713	1838	6770	5826	12496
MAY 1985 ^f	63	268	95	331	510	4	514	845	4627	5136	9763	1840	6798	5650	12448

- a. Included are those listed in the November *Organon* issue, with the exception of Aramid fiber as of November 1983. Yarn+mono includes olefin film fiber and spunbonded polypropylene. Staple+tow includes fiberfill.
- b. Data include diacetate and triacetate. The acetate staple+tow data do not include the large poundages for cigarette filtration.

- c. Textile glass fiber, all types.
- d. Grand Total Yarn means the yarn+mono shown plus all textile glass fiber.
- e. Actual producing capacity as of the date shown.
- f. Future producing capacity planned for certain dates as of MAY 1984.

Footnotes for Table 8B (page 74).

Note: As of the November 1983 survey, nylon capacity data no longer include Aramid fiber.

NA means not available.

IND means industrial yarn and monofil, i.e., 500 denier & coarser, with an Instron tenacity of 7 grams per denier or more. **CARP** means bulked continuous filament yarn for carpets. **TEXTILE** means yarn & monofil for other (textile) applications. Low denier industrial yarn is tabulated here also.

a. Includes polyethylene & polypropylene. Not included here are data on spunbonded polyethylene, monofilament bristles, film fiber used for decorative or tying ribbons, etc.

b. Includes the circular and rectangular (ribbon) cross sections plus spunbonded polypropylene. Olefin film fiber includes slit and split or fibrillated fiber.

c. Other yarn & monofil is chiefly saran and spandex. Aramid data are included with nylon.

d. Actual producing capacity as of date shown.

e. Future producing capacity planned for certain & dates as of May 1984.

SURVEY COVERAGE & DEFINITIONS

The survey figures shown in the table on page 74 cover the man made fibers in all their primary forms, i.e., filament yarn, monofilaments, polypropylene spunbonded and film fiber are tabulated as filament yarn, while staple, tow and fiberfill are tabulated as staple. The glass fiber data cover all primary forms of that fiber (yarn and strand, staple yarn and sliver, roving and cake, chopped and milled fiber and mat) although only an aggregate figure is published to avoid disclosure of individual company data. The textile glass data are included with the filament yarn totals. The "capacity" to produce waste is *not* included in this survey.

Capacity is based on the current and projected "mix" of deniers, filament counts, packages, etc. It is *emphasized* that all figures refer to *current* and *planned* capacity. *They are not to be interpreted as a production forecast.*

Under the survey definitions, all productive equipment which is currently, or is planned to be, in operable condition is counted as capacity, regardless of whether it is actually producing fiber at the time the capacity measurement is taken. On the other hand, equipment which is definitely scheduled for scrapping, or which has been scrapped since the last survey, is excluded from the capacity tabulation. Put another way, the capacity data reflect *potential*, rather than *operating*, capacity.

TABLE 8B: NONCELLULOSIC FIBER CAPACITY DETAIL

MILLION POUNDS & Average Denier

PERIOD	FILAMENT YARN, MONOFIL & OLEFIN FILM FIBER											STAPLE, TOW & FIBERFILL						NON-CELLULOSIC TOTAL
	NYLON+ARAMID				POLYESTER			OLEFIN ^a			OTHER ^c	TOTAL	NYLON + ARAMID	ACRYL +MOD-ACRYL	POLY-ESTER	OLEFIN + VINYLON	TOTAL	
	IND	CARP	TEXTILE LBS	DEN	IND	TEXTILE LBS	DEN	YARN	MONO ^b	FILM ^b								
NOV 1970 ^d	480	428	569	NA	294	316	NA	110	119	106	18	2440	280	659	1370	113	2422	4862
NOV 1971 ^d	463	531	522	NA	337	559	NA	89	163	113	19	2796	460	696	1355	107	2620	5416
NOV 1972 ^d	469	626	559	NA	364	892	NA	96	177	159	20	3362	602	754	1571	107	3034	6396
NOV 1973 ^d	466	707	534	NA	385	1118	NA	106	214	190	18	3738	701	787	1709	105	3302	7040
NOV 1974 ^d	483	770	552	NA	403	1351	NA	125	254	221	16	4175	757	824	1899	104	3584	7759
NOV 1975 ^d	503	786	553	NA	391	1576	NA	168	313	334	16	4640	827	827	2021	121	3796	8436
NOV 1976 ^d	519	787	552	54	442	1701	133	178	312	371	16	4878	910	869	2355	120	4254	9132
NOV 1977 ^d	523	829	558	55	443	1698	126	173	336	398	16	4974	939	869	2470	116	4394	9368
NOV 1978 ^d	510	908	565	53	443	1643	116	174	347	394	16	5000	1023	865	2554	129	4571	9571
NOV 1979 ^d	513	950	579	51	443	1699	114	172	342	408	20	5126	1020	839	2673	146	4678	9804
NOV 1980 ^d	515	910	551	52	400	1637	113	120	350	430	20	4933	991	830	2759	134	4714	9647
NOV 1981 ^d	514	893	553	49	316	1481	114	178	356	455	20	4766	1010	835	2839	266	4950	9716
NOV 1982 ^d	474	925	513	53	338	1265	119	209	369	460	30	4583	978	832	2700	271	4781	9364
NOV 1983 ^d	440	907	494	52	337	1170	122	240	375	484	30	4477	1017	826	2704	280	4827	9304
MAY 1984 ^d	437	926	498	52	339	1170	123	257	377	484	30	4518	1044	805	2784	300	4933	9451
NOV 1984 ^d	437	931	487	53	344	1165	123	276	378	484	30	4532	1064	807	2784	317	4972	9504
MAY 1985 ^d	438	960	498	53	345	1162	123	284	380	484	30	4581	1090	808	2804	347	5049	9630
NOV 1985 ^d	438	965	498	53	355	1162	123	282	382	489	30	4601	1127	809	2804	372	5112	9713
MAY 1986 ^d	438	975	499	53	360	1168	123	286	382	489	30	4627	1142	810	2804	380	5136	9763

Note: See page 73 for footnotes.

GRAPH 4: NONCELLULOSIC YARN+MONOFILAMENT CAPACITY VS. STAPLE+TOW CAPACITY

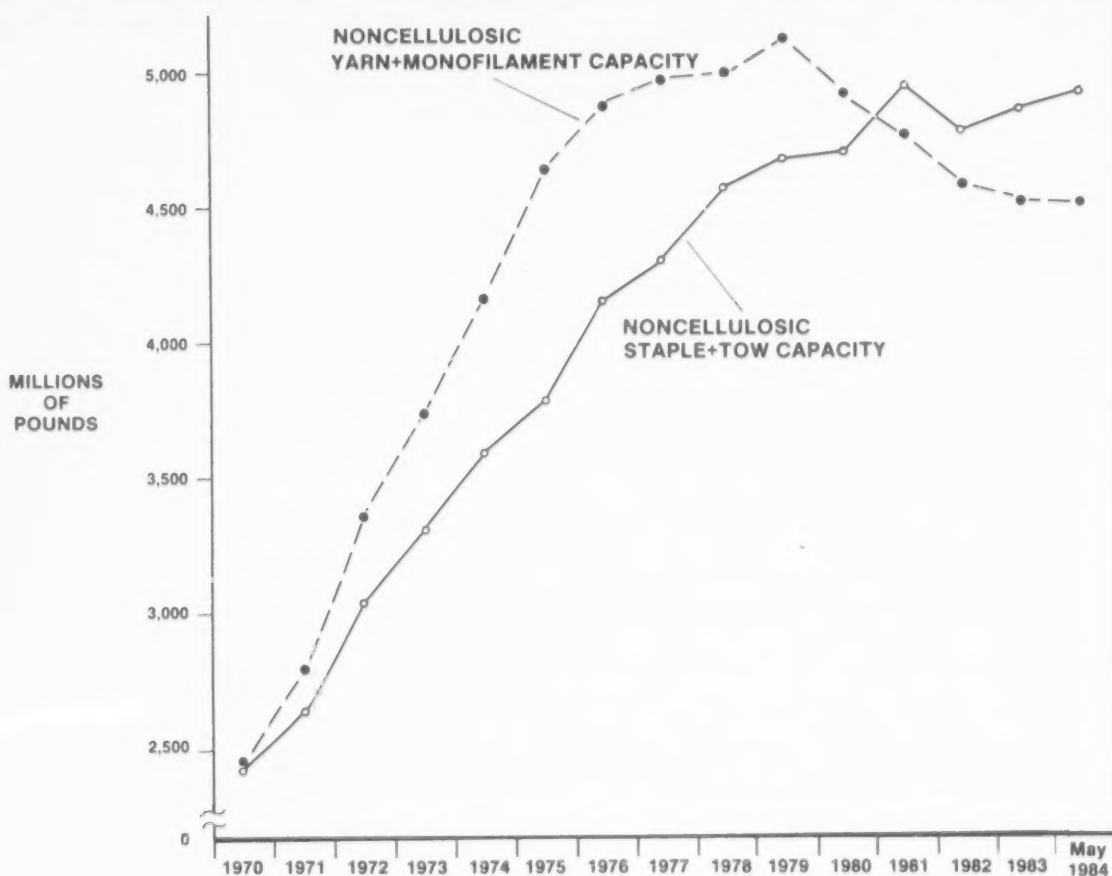


TABLE 9: U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1983					1984				
		1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
CELLULOSIC FIBERS											
FILAMENT YARN ^a											
TEXTURED	310 0006	74	103	16	46	239	25				
OTHER ^b	310 0026	5019	3332	3803	3342	15496	4302				
MONOFILAMENTS	309 0110	11	4	5	23	43	0				
STRIPS	309 2210	0	12	5	23	40	56				
SUBTOTAL ABOVE		5104	3451	3829	3434	15818	4383				
STAPLE+TOW - RAYON	309 4222	7979	17999	8811	5329	40118	15469				
STAPLE - ACETATE	309 4219	593	688	417	1395	3093	629				
SUBTOTAL ABOVE		8572	18687	9228	6724	43211	16098				
WASTE, ADVANCED & NOT ADVANCED	309 7400	361	161	239	602	1363	859				
NONCELLULOSIC FIBERS											
FILAMENT YARN ^a											
NYLON - TEXTURED	310 0008 & 0009	10913	10917	9730	8448	40008	10514				
- HIGH TENACITY ^c	310 0027	14240	14383	12544	14439	55606	15939				
- OTHER	310 0029	3587	3825	3932	4236	15580	4063				
POLYESTER - TEXTURED	310 0010	22202	18265	12050	11523	64040	14324				
- HIGH TENACITY ^c	310 0032	3369	3541	3191	2136	12237	2775				
- OTHER ^d	310 0034	1123	885	728	977	3713	1479				
OTHER - TEXTURED	310 0014	3147	3370	3445	2669	12631	1588				
- OLEFIN	310 0040	246	161	168	231	806	94				
- OTHER	310 0044	715	1407	725	763	3610	1444				
MONOFILAMENTS, ALL DENIERS											
NYLON	309 0120	797	378	439	736	2350	630				
POLYESTER ^a	309 0140	540	769	871	745	2925	791				
OTHER	309 0170	2501	2612	2146	2671	9930	2990				
STRIPS	309 2220 & 2270	1047	802	575	818	3242	1094				
SUBTOTAL ABOVE		64427	61315	50544	50392	226678	57725				
STAPLE - NYLON	309 4240	3438	2806	3115	4159	13518	4222				
- POLYESTER	309 4242	30316	33213	13408	24318	101255	29077				
- ACRYLIC	309 4245	32262	31589	25346	25188	114385	37885				
- OLEFIN	309 4246	845	1033	961	859	3698	769				
- OTHER	309 4247	3446	3409	2050	3069	11974	2552				
GROUPED FILAMENTS											
NYLON	309 3220	691	1136	822	776	3425	1067				
POLYESTER ^a	309 3240	9453	6876	5731	6830	28890	10322				
ACRYLIC	309 3250 & 3255	8204	8701	8994	8722	34621	8645				
SUBTOTAL ABOVE		88655	88763	60427	73321	311766	94539				
WASTE, ADVANCED & NOT ADVANCED											
NYLON	309 7620	1737	2649	3424	4031	11841	3106				
POLYESTER	309 7630	11042	10247	8456	10728	40473	11394				
ACRYLIC	309 7640	276	404	600	745	2025	1166				
OTHER	309 7660	4930	3048	4151	4813	16942	3993				
SUBTOTAL ABOVE		17985	16348	16631	20317	71281	19659				
TOTAL MAN-MADE FIBER ABOVE		185104	188725	140898	155390	670117	193263				
TEXTILE GLASS FIBER	309 2700 & 9700	10333	8804	9860	10416	39413	11531				
GRAND TOTAL ABOVE		195437	197529	150758	165806	709530	204794				

SOURCE: U.S. Census Bureau Report EM546

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

Continued from page 67.

Table 5: Percentage change and relative growth over time of population, per capita GNP and per capita consumption of the various textile fibers.

Table 6: Summary of imports of semi-manufactured and manufactured products.

Table 7: Listing of aforementioned imports in per capita terms and their percentage growth over time in relation to overall per capita domestic consumption.

Graph 1: Per capita consumption of all fibers as taken from the data in Table 2B.

Graph 2: Growth in population and per capita GNP since 1970 in relation to the declining trend of per capita GNP data are taken from Table 1, while the per capita fiber consumption data are taken from Table 2B.

TABLE 10: QUARTERLY MAN-MADE FIBER DATA
MILLION POUNDS

ITEM	1982					1983					1984				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
YARN+MONOFILAMENTS^a															
ACETATE															
PRODUCTION	52.9	53.0	46.1	43.2	195.2	50.3	62.2	61.3	53.8	227.6	55.2				
SHIPMENTS - DOMESTIC	44.9	47.1	39.5	37.5	169.0	44.1	53.9	51.0	48.6	197.6	48.7				
- EXPORT	8.8	6.2	8.5	6.3	29.8	7.1	5.9	8.4	6.8	28.2	5.8				
TOTAL SHIPMENTS	53.7	53.3	48.0	43.8	198.8	51.2	59.8	59.4	55.4	225.8	54.5				
ENDING STOCK	13.5	13.2	11.3	10.7		9.8	12.2	14.1	12.5		13.2				
NYLON^b															
PRODUCTION	299.9	309.0	312.1	320.6	1241.6	311.5	375.6	392.3	412.8	1492.2	400.9				
SHIPMENTS - DOMESTIC	281.6	296.5	292.7	294.8	1165.6	295.0	359.1	358.4	379.9	1392.4	365.1				
- EXPORT	26.8	23.8	26.0	25.5	102.1	25.4	27.0	27.3	25.5	105.2	29.9				
TOTAL SHIPMENTS	308.4	320.3	318.7	320.3	1267.7	320.4	386.1	385.7	405.4	1497.6	395.0				
ENDING STOCK	143.8	132.5	125.9	126.2		117.3	106.8	113.4	120.8		126.7				
OLEFIN^c															
PRODUCTION	154.3	146.9	142.6	141.4	585.2	166.8	186.9	183.4	179.0	716.1	178.0				
SHIPMENTS - DOMESTIC	146.8	145.0	144.5	140.7	577.0	160.6	184.2	182.1	171.7	698.6	169.3				
- EXPORT	4.7	3.3	3.1	4.2	15.3	3.9	4.2	3.5	4.0	15.6	4.3				
TOTAL SHIPMENTS	151.5	148.3	147.6	144.9	592.3	164.5	188.4	185.6	175.7	714.2	173.6				
ENDING STOCK	64.5	63.1	58.1	54.6		56.9	55.4	53.2	56.5		60.9				
POLYESTER															
PRODUCTION	331.5	318.1	280.5	283.5	1213.6	322.8	361.5	327.6	347.6	1359.5	318.8				
SHIPMENTS - DOMESTIC	297.2	292.5	267.0	278.1	1134.8	306.3	342.6	307.2	338.3	1294.4	291.9				
- EXPORT	34.9	35.8	19.2	12.9	102.8	19.6	17.5	13.9	15.5	66.5	14.1				
TOTAL SHIPMENTS	332.1	328.3	286.2	291.0	1237.6	325.9	360.1	321.1	353.8	1360.9	306.0				
ENDING STOCK	122.4	112.2	106.5	99.0		95.9	97.3	103.8	97.6		110.4				
TOTAL NONCELLULOSIC ABOVE															
PRODUCTION	785.7	774.0	735.2	745.5	3040.4	801.1	924.0	903.3	939.4	3567.8	897.7				
SHIPMENTS - DOMESTIC	725.6	734.0	704.2	713.6	2877.4	761.9	885.9	847.7	889.9	3385.4	826.3				
- EXPORT	66.4	62.9	48.3	42.6	220.2	48.9	48.7	44.7	45.0	187.3	48.3				
TOTAL SHIPMENTS	792.0	796.9	752.5	756.2	3097.6	810.8	934.6	892.4	934.9	3572.7	874.6				
ENDING STOCK	330.7	307.8	290.5	279.8		270.1	259.5	270.4	274.9		298.0				
DOMESTIC SHIPMENTS	725.6	734.0	704.2	713.6	2877.4	761.9	885.9	847.7	889.9	3385.4	826.3				
IMPORTS - TEXTURED YARN ^d	2.0	3.1	3.7	6.1	14.9	4.7	5.3	5.7	7.3	23.0	12.4				
- OTHER YARN ^e	2.8	2.6	4.1	3.9	13.4	6.6	7.5	7.7	11.4	33.2	12.9				
- MONOFILAMENTS	0.4	0.4	0.4	0.3	1.5	0.4	0.4	0.4	0.5	1.7	1.0				
TOTAL IMPORTS	5.2	6.1	8.2	10.3	29.8	11.7	13.2	13.8	19.2	57.9	26.3				
TOTAL AVAILABLE	730.8	740.1	712.4	723.9	2907.2	773.6	899.1	861.5	909.1	3443.3	852.6				
TEXTILE GLASS FIBER															
PRODUCTION	207.6	209.8	241.0	240.8	899.2	245.1	273.1	313.2	335.8	1167.2	333.2				
SHIPMENTS - DOMESTIC	190.5	214.8	227.8	228.4	861.5	246.6	294.4	301.9	303.2	1146.1	305.0				
- EXPORT	11.5	10.3	11.2	9.9	42.9	8.4	8.7	9.7	10.6	37.4	11.7				
TOTAL SHIPMENTS	202.0	225.1	239.0	238.3	904.4	255.0	303.1	311.6	313.8	1183.5	316.7				
ENDING STOCK	151.8	136.5	138.5	141.0		131.1	101.1	102.7	124.7		141.2				
IMPORTS	3.8	3.2	3.7	3.4	14.1	4.8	5.3	4.2	5.7	20.0	7.8				
TOTAL AVAILABLE	194.3	218.0	231.5	231.8	875.6	251.4	299.7	306.1	308.9	1166.1	312.8				

FOOTNOTES FOR TABLE ABOVE & OPPOSITE

NA means not available at press time

"Imports" are imports for consumption, as reported by the U.S. Census Bureau.

a. Data for rayon and "Other" noncellulosic yarns (chiefly saran & spandex) are available annually only, see pages 36 & 37 of the March 1983 issue for further details on these yarns.

b. Includes Aramid in 1982.

c. Also include film fiber as well as spunbonded polypropylene.

d. Include singles and plied.

e. Acetate staple+tow data are available annually only, see pages 36 & 37 of the March 1983 issue for further details.

f. These figures are composites of the nylon, acrylic+modacrylic, polyester and olefin staple imports, i.e., Commodity Numbers 309.4338, 4342, 4345 & 4346.

TABLE 11: QUARTERLY MAN-MADE FIBER DATA (Continued)

MILLION POUNDS

ITEM	1982					1983					1984				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
RAYON															
STAPLE+TOW*															
PRODUCTION	96.2	86.7	87.8	84.3	355.0	92.6	92.1	92.1	98.0	374.8	104.0				
SHIPMENTS - DOMESTIC	77.6	69.8	72.1	74.2	293.7	80.1	83.0	84.6	85.8	333.5	90.7				
- EXPORT	13.4	16.8	15.3	21.0	66.5	8.9	11.7	15.1	10.2	43.9	11.3				
TOTAL SHIPMENTS	91.0	86.6	87.4	95.2	360.2	87.0	94.7	99.7	96.0	377.4	102.0				
ENDING STOCK	36.3	36.4	36.8	25.9		31.5	28.9	21.3	23.3		25.3				
DOMESTIC SHIPMENTS	77.6	69.8	72.1	74.2	293.7	80.1	83.0	84.6	85.8	333.5	90.7				
IMPORTS FOR CONSUMPTION															
STAPLE	3.5	2.4	3.7	2.3	11.9	2.1	3.9	3.3	3.5	12.8	4.4				
GROUPED FILAMENTS	0.3	0.4	0.4	0.4	1.5	0.2	0.2	0.2	0.3	0.9	0.4				
TOTAL IMPORTS	3.8	2.8	4.1	2.7	13.4	2.3	4.1	3.5	3.8	13.7	4.8				
TOTAL AVAILABLE	81.4	72.6	76.2	76.9	307.1	82.4	87.1	88.1	89.6	347.2	95.5				
NYLON^D															
PRODUCTION	140.5	169.3	191.1	184.1	685.0	196.4	234.9	252.4	242.7	926.4	220.9				
SHIPMENTS - DOMESTIC	141.9	170.8	185.8	174.8	673.3	196.0	243.5	236.2	221.4	897.1	211.1				
- EXPORT	4.1	4.2	3.1	5.2	16.6	3.3	3.7	3.0	4.1	14.1	5.6				
TOTAL SHIPMENTS	146.0	175.0	188.9	180.0	689.9	199.3	247.2	239.2	225.5	911.2	216.7				
ENDING STOCK	59.3	53.6	55.8	59.9		57.0	44.7	57.9	75.1		79.3				
IMPORTS	1.0	0.7	5.0	4.8	11.5	5.6	7.6	6.1	8.4	27.7	7.9				
TOTAL AVAILABLE	142.9	171.5	190.8	179.6	684.8	201.6	251.1	242.3	229.8	924.8	219.0				
ACRYLIC+MODACRYLIC															
PRODUCTION	149.6	171.1	158.5	144.9	624.1	160.4	178.4	168.8	162.9	670.5	171.7				
SHIPMENTS - DOMESTIC	108.1	127.9	113.6	108.3	457.9	120.1	129.3	127.9	114.9	492.2	120.6				
- EXPORT	46.4	41.5	42.7	43.7	174.3	41.3	44.9	35.3	41.0	162.5	48.5				
TOTAL SHIPMENTS	154.5	169.4	156.3	152.0	632.2	161.4	174.2	163.2	155.9	654.7	169.1				
ENDING STOCK	60.2	61.9	64.1	57.0		56.0	60.2	65.8	72.8		75.4				
IMPORTS	2.0	1.3	1.7	2.9	7.9	2.3	3.9	4.0	3.4	13.6	3.3				
TOTAL AVAILABLE	110.1	129.2	115.3	111.2	465.8	122.4	133.2	131.9	118.3	505.8	123.9				
OLEFIN+VINYLON															
PRODUCTION	35.8	30.8	37.6	34.0	138.2	37.9	42.9	49.9	58.9	189.6	57.3				
SHIPMENTS - DOMESTIC	29.3	39.9	36.4	33.3	138.9	39.7	44.1	45.1	54.5	183.4	53.7				
- EXPORT	0.6	0.6	1.6	2.1	4.9	0.7	1.9	2.6	1.1	6.3	3.8				
TOTAL SHIPMENTS	29.9	40.5	38.0	35.4	143.8	40.4	46.0	47.7	55.6	189.7	57.5				
ENDING STOCK	31.6	21.9	21.5	20.1		17.6	14.5	16.7	20.0		19.8				
POLYESTER															
PRODUCTION	538.7	459.6	447.4	509.5	1955.2	492.0	559.3	561.7	571.1	2184.1	561.6				
SHIPMENTS - DOMESTIC	437.3	445.3	428.9	456.0	1767.5	487.6	540.4	538.1	533.1	2099.2	514.2				
- EXPORT	86.4	28.3	25.8	33.6	174.1	30.1	22.4	21.8	24.3	98.6	32.8				
TOTAL SHIPMENTS	523.7	473.6	454.7	489.6	1941.6	517.7	562.8	559.9	557.4	2197.8	547.0				
ENDING STOCK	189.2	175.2	187.9	187.8		162.1	158.6	160.4	174.1		188.7				
IMPORTS	1.9	1.7	1.8	1.9	7.3	2.8	2.1	4.1	12.5		21.5				
TOTAL AVAILABLE	439.2	447.0	430.7	457.9	1774.8	490.4	542.5	542.2	545.6	2120.7	522.0				
TOTAL NONCELLULOSIC															
PRODUCTION	864.6	830.8	834.6	872.5	3402.5	886.7	1015.5	1032.8	1035.6	3970.6	1011.5				
SHIPMENTS - DOMESTIC	716.6	783.9	764.7	772.4	3037.6	843.4	957.3	947.3	923.9	3671.9	899.6				
- EXPORT	137.5	74.6	73.2	84.6	369.9	75.4	72.9	62.7	70.5	281.5	90.7				
TOTAL SHIPMENTS	854.1	858.5	837.9	857.0	3407.5	918.8	1030.2	1010.0	994.4	3953.4	990.3				
ENDING STOCK	340.3	312.6	309.3	324.8		292.7	278.0	300.8	342.0		363.2				
DOMESTIC SHIPMENTS	716.6	783.9	764.7	772.4	3037.6	843.4	957.3	947.3	923.9	3671.9	899.6				
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE ¹	4.9	3.7	8.5	9.6	26.7	10.7	13.6	14.2	24.3	62.8	19.0				
OTHER N.C. STAPLE	1.8	3.8	4.0	1.9	11.5	2.7	2.5	1.5	3.6	10.3	4.6				
GROUPED FILAMENTS	2.9	3.1	2.9	4.1	13.0	5.4	8.1	6.1	8.9	28.5	11.0				
TOTAL IMPORTS	9.6	10.6	15.4	15.6	51.2	18.8	24.2	21.8	36.8	101.6	34.6				
TOTAL AVAILABLE	726.2	794.5	780.1	788.0	3088.8	862.2	981.5	969.1	960.7	3773.5	934.2				

See footnotes on opposite page.

TABLE 12: SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEM & COUNTRY	1984						3 MONTHS	
	JAN	FEB	MAR	APR	MAY	JUNE	1984	1983
CELLULOSIC YARN, MONOFIL & STRIPS								
BRAZIL	55	5	0				60	60
CANADA	42	12	327				381	637
MEXICO	163	120	55				338	141
AUSTRIA	0	0	0				0	5 ^a 9
GERMANY, FED. REP. OF	714	327	396				1437	330
NETHERLANDS	28	40	40				108	125
UNITED KINGDOM	0	0	+				+	10
JAPAN	74	86	62				222	84
REP. OF KOREA	60	0	40				100	40
ALL OTHER COUNTRIES ^a	0	1	43				44	51
TOTAL CELL. YARN	1136	591	963				2690	2027
CELLULOSIC STAPLE+TOW								
CANADA	803	884	919				2606	1013
AUSTRIA	390	70	219				679	253
FRANCE	16	18	7				41	56
SWEDEN	164	432	190				786	400
UNITED KINGDOM	225	81	42				348	66
JAPAN	116	47	162				325	459
TAIWAN	0	0	0				0	27
ALL OTHER COUNTRIES ^b	0	+	0				+	1
TOTAL CELL. STAPLE	1714	1532	1539				4785	2275
NONCELLULOSIC YARN, MONOFIL & STRIPS								
CANADA	1284	1467	1745				4496	1912
MEXICO	1317	1796	1574				4687	727
FRANCE	224	222	104				550	532
GERMANY, FED. REP. OF	846	1097	2010				3953	1607
ITALY	199	569	390				1158	136
NETHERLANDS	54	95	26				175	46
SPAIN	95	225	2				322	276
SWITZERLAND	17	101	71				189	243
UNITED KINGDOM	531	89	366				986	653
ISRAEL	111	72	84				267	436
JAPAN	1131	1338	1660				4129	2302
REP. OF KOREA	42	55	37				134	16
TAIWAN	122	+	60				182	87
SOUTH AFRICA	347	563	112				1022	0
ALL OTHER COUNTRIES ^c	231	233	75				539	91
TOTAL N.C. YARN	6551	7922	8316				22789	9064
NONCELLULOSIC STAPLE+TOW								
CANADA	1028	1102	1219				3349	1169
COSTA RICA	155	354	237				746	0
MEXICO	2812	2217	1451				6480	2109
BELGIUM	32	61	38				131	80
FRANCE	483	507	834				1824	2277
GERMANY, FED. REP. OF	1965	1587	2599				6151	4127
ITALY	1182	791	1234				3207	2947
NETHERLANDS	88	140	76				304	87
SWITZERLAND	22	+	113				135	0
UNITED KINGDOM	1306	1060	1711				4077	1785
AUSTRALIA	0	24	0				24	91
ISRAEL	45	28	0				73	112
JAPAN	1334	926	1361				3621	2620
REP. OF KOREA	0	40	62				102	40
TAIWAN	826	471	1576				2873	1354
ROMANIA	138	98	299				535	0
SOUTH AFRICA	0	213	0				213	0
ALL OTHER COUNTRIES ^d	394	88	278				760	7
TOTAL N.C. STAPLE	11810	9707	13088				34605	18805

Other countries supplying 1984 poundages are:

a. Italy 1, France 22 and Switzerland 21.

b. Federal Republic of Germany +.

c. Australia 43, Austria 96, Belgium 62, Brazil 99, Denmark 1,

India +, Norway 27, Portugal 1, Romania 197 and Sweden 13.

d. Austria 30, Brazil 416, Denmark 18, Honduras 75, Hong Kong 2, Poland 13, Portugal 41, Spain 25, Sweden 61 and Turkey 79.

TABLE 13: U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION
THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1984						3 MONTHS	
		JAN	FEB	MAR	APR	MAY	JUN	1984	1983
CELLULOSIC FIBERS									
YARN - SINGLES									
TEXTURED	310 0106 & 0206	0	0	38				38	206
OTHER	310 0130 & 0230*	1136	585	880				2601	1806
MONOFILAMENTS	309 0310 & 0610	0	0	0				0	0
STRIPS, \$1/LB & UNDER	309 2000*	0	6	45				51	15
SUBTOTAL ABOVE		1136	591	963				2690	2027
STAPLE	309 4320 & 4325	1517	1483	1365				4365	2111
GROUPED FILAMENTS	309 3010 & 3110	197	49	174				420	164
SUBTOTAL ABOVE		1714		1539				4785	2275
WASTE, ADVANCED & NOT ADVANCED	309 6500 & 7510	40	9	6				115	82
NONCELLULOSIC FIBERS									
YARN - SINGLES									
TEXTURED - NYLON	310 0109 & 0209	1064	1571	1615				4250	893
- POLYESTER	310 0110 & 0210	821	1167	834				2822	120
- OTHER	310 0114 & 0214	651	604	649				1904	1891
OTHER - NYLON	310 0149 & 0249	2022	2221	2918				7161	2386
- POLYESTER	310 0150 & 0250	1328	1658	1618				4604	2597
- OTHER	310 0170 & 0270*	202	274	310				786	670
MONOFILAMENTS	309 0200 & 0330*	383	325	282				990	407
STRIPS, OVER \$1/LB	309 2100 & 2500*	80	102	90				272	100
SUBTOTAL ABOVE		6551	7922	8316				22789	9064
STAPLE - NYLON	309 4338	2921	2034	2936				7891	5567
- POLYESTER	309 4342	3115	2489	2224				7828	2817
- ACRYLIC	309 4345	1081	1257	913				3251	2306
- OLEFIN	309 4346	325	76	474				875	312
- OTHER	309 4355	1109	969	1627				3705	2385
GROUPED FILAMENTS									
NYLON	309 3030 & 3130	2271	1604	2787				6662	3626
POLYESTER	309 3040 & 3140	227	593	1026				1846	11
ACRYLIC	309 3050 & 3150	646	538	978				2162	1621
OTHER	309 3065 & 3165	115	147	123				385	160
SUBTOTAL ABOVE		11810	9707	13088				34605	18805
WASTE, NOT ADVANCED									
- NYLON	309 6625	2390	4767	2062				9219	4633
- POLYESTER	309 6630	634	810	621				2065	2820
- ACRYLIC	309 6645	37	1	0				38	175
- OTHER	309 6660	139	213	452				804	513
NOILS & GARNETTED FIBERS	309 6000 & 7000*	56	62	12				130	0
OTHER WASTE, ADVANCED	309 7525 - 7555	105	300	179				584	841
SUBTOTAL ABOVE		3361	6153	3326				12840	8982
TOTAL MAN-MADE ABOVE		24612	25974	27238				77824	41235
OTHER MAN-MADE FIBER TOPS, YARN & THREAD									
YARN - PLIED									
TEXTURED - CELLULOSIC		0	*	0				*	0
- NONCELLULOSIC	310 1015* & 1109*	1109	1204	1068				3381	1819
OTHER - CELLULOSIC	310 1030 & 1135†	2	12	8				22	44
- NONCELLULOSIC	310 1050 & 1070*	146	84	162				392	972
SPUN YARN - CELLULOSIC	310 4005 & 4030*	104	52	136				292	182
- OTHER	310 4015 & 4027	757	3042	3050				6849	6487
OTHER YARNS - NES, INCL. CHENILLE	310 6029 - 8000	121	172	118				351	893
HANDWORK YARNS & SEWING THREAD	310 9000 - 9140	410	250	452				1102	755
SLIVER, TOPS & ROVING	309 9000	589	756	607				1952	1345
TEXTILE GLASS FIBER	309 2800 & 2900†	2128	2900	2813				7841	4757
GRAND TOTAL ABOVE		29978	34386	35642				100006	58489

SOURCE: U.S. Census Bureau Report IM145X.

NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. non-cellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310 0510 & 0610.

b. Also includes 310 0530, 0550, 0630 & 0650.

c. Also includes 309 0340, 0365, 0500, 0630, 0640 & 0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310 1110 & 1114.

f. Also includes 310 2010 & 2110.

g. Also includes 310 1150, 1155, 1170, 2030, 2050, 2130 & 2150.

h. Also includes 310 5005 & 5030.

i. Also includes 310 4046, 4047, 4050, 5015, 5046, 5047, 5049 & 5051.

j. Chiefly roving. Also includes 309 9800 & 9900.

TABLE 14: SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1984						YEAR TO DATE ^a	
	JAN	FEB	MAR	APR	MAY	JUN	1984	1983
MAN-MADE FIBER DATA^c								
YARN+MONOFILAMENTS^d								
TOTAL SHIPMENTS^e								
ACETATE	17.8	16.9	19.8	17.8			72.3	70.0
NYLON ^g - INDUSTRIAL ^f	28.1	29.9	32.8	33.4			124.2	95.9
- LOW DENIER INDUSTRIAL ^g	3.0	3.0	3.0	2.9			11.9	10.3
- CARPET	70.0	62.9	65.5	72.0			270.4	210.3
- TEXTILE	34.3	31.3	31.1	32.7			129.4	125.8
POLYESTER - INDUSTRIAL ^f	24.5	25.2	28.3	26.4			104.4	98.4
- LOW DENIER INDUSTRIAL ^g	1.9	2.1	2.1	2.2			8.3	7.7
- TEXTILE	84.9	69.9	67.1	75.3			297.2	340.4
OLEFIN ^h	52.6	56.9	64.1	58.3			231.9	225.0
TOTAL NONCELLULOSIC ABOVEⁱ	299.3	281.2	294.0	303.2			1177.7	1113.8
STAPLE+TOW+FIBERFILL^j								
RAYON	32.4	31.6	30.0	35.9			137.9	116.6
NYLON ^g	80.0	65.9	70.8	82.3			299.0	275.9
ACRYLIC+MODACRYLIC	53.0	52.2	63.9	58.2			227.3	220.9
POLYESTER	172.5	177.5	197.0	200.8			747.8	698.9
OLEFIN+VINYON	18.6	18.5	20.4	20.2			77.7	55.6
TOTAL NONCELLULOSIC ABOVE	324.1	314.1	352.1	361.5			1351.8	1251.3
END-OF-MONTH STOCK								
YARN+MONOFILAMENTS								
ACETATE	14.3	14.6	13.2	13.6			13.6	10.2
NYLON ^g - INDUSTRIAL ^f	23.2	23.7	23.1	22.1			22.1	23.2
- LOW DENIER INDUSTRIAL ^g	4.0	4.4	5.7	5.7			5.7	5.0
- CARPET	54.0	58.8	60.4	57.0			57.0	50.1
- TEXTILE	36.3	36.9	37.5	36.4			36.4	37.8
POLYESTER - INDUSTRIAL ^f	22.0	22.3	20.2	19.4			19.4	26.1
- LOW DENIER INDUSTRIAL ^g	3.4	3.5	3.8	3.5			3.5	3.1
- TEXTILE	77.2	82.8	86.4	84.1			84.1	64.4
OLEFIN ^h	58.1	59.3	60.9	61.5			61.5	52.9
TOTAL NONCELLULOSIC ABOVEⁱ	278.2	291.7	298.0	289.7			289.7	262.6
STAPLE+TOW+FIBERFILL								
RAYON	25.1	27.4	25.3	23.2			23.2	32.1
NYLON ^g	70.2	76.0	79.3	71.7			71.7	54.1
ACRYLIC+MODACRYLIC	77.3	79.6	75.4	75.6			75.6	55.0
POLYESTER	180.2	188.6	188.7	177.4			177.4	161.1
OLEFIN+VINYON	20.4	21.2	19.8	20.1			20.1	16.2
TOTAL NONCELLULOSIC ABOVE	348.1	365.4	363.2	344.8			344.8	286.4
WOOL & COTTON CONSUMPTION								
APPAREL CLASS WOOL	13.3	15.1					28.4	22.3
CARPET CLASS WOOL	0.9	0.8					1.7	1.5
TOTAL RAW WOOL	14.2	15.9					30.1	23.8
RAW COTTON	246.1	242.7	249.7				738.5	634.5

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 37 of the March/April issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 37 of the March/April issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 37 of the March/April issue.

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WORLD MAN-MADE FIBER SURVEY

Featured in this issue is our annual survey of the world man-made fiber industry. Our customary world directory of man made fiber producers begins on page 94, the annual cellulosic fiber production and planned capacity survey begins on page 88, and the annual noncellulosic fiber production and planned capacity survey begins on page 84.

Historical world data for most of the tables that appear in this issue can be found in the *Textile Organon Base Book* of January 1962 and the following issues of the *Textile Organon*: June 1966, 1970, and 1979-1983.

As in the past, all data in this issue are in *metric tons* except for the U.S. data on pages 116-120. The tables on pages 81 and 83-93 will be published in the July issue showing data in *millions of pounds*.

Import export data used to tabulate net available supply by country are not complete at this time. As a result, when these data are obtained, the 1983 net available supply table will be published in the *Organon*.

ACKNOWLEDGEMENTS

This annual world man made fiber survey would not have been possible without the help and cooperation of more than 170 foreign man-made fiber associations, producing companies and individuals, as well as the U.S. Foreign Service posts reporting through the Office of Textiles and Apparel, Domestic and International Business Administration and the U.S. Department of Commerce. Their efforts are greatly appreciated.

TABLE 1: WORLD PRODUCTION OF CERTAIN TEXTILE FIBERS
THOUSAND METRIC TONS & Percent

TYPE OF FIBER	1977	1978	1979	1980	1981	1982	1983
CELLULOSIC FIBERS (from page 91)							
YARN+MONOFILAMENTS	1172	1167	1176	1161	1104	1025	1038
STAPLE+TOW	2109	2151	2195	2081	2100	1917	1975
TOTAL CELLULOSIC	3281	3318	3371	3242	3204	2942	3013
NONCELLULOSIC FIBERS except Olefin (from page 87)							
YARN+MONOFILAMENTS	4312	4603	4889	4732	4809	4486	4868
STAPLE+TOW	4837	5431	5712	5744	6018	5654	6234
TOTAL NONCELL. ABOVE	9149	10034	10601	10476	10827	10140	11102
TOTAL MAN-MADE ABOVE	12430	13352	13972	13718	14031	13082	14115
% of World Total	45	48	47	47	45	44	47
NATURAL FIBERS							
RAW COTTON	13841	12897	14080	13991	15343	14641	14525
RAW WOOL	1488	1528	1576	1604	1625	1623	1606
RAW SILK	49	51	55	56	57	55	55
TOTAL NATURAL ABOVE	15378	14476	15711	15651	17025	16319	16186
% of World Total	55	52	53	53	55	56	53
WORLD TOTAL ABOVE	27808	27828	29683	29369	31056	29401	30301
World Total %	100	100	100	100	100	100	100

The silk and man-made fiber data are on a calendar-year basis, while the figures for cotton and wool are on a seasonal basis.

MAN-MADE FIBERS: Data are from pages 87 and 91, as noted. Textile glass fiber and olefin production are not included.

COTTON: International Cotton Advisory Committee. Also see December 1983 *Organon*.

WOOL: Commonwealth Secretariat & The Wool Bureau, Inc. The data are on a scoured basis. Also see the December 1983 *Organon* issue.

SILK: International Silk Association, Food and Agriculture Organization of the United Nations.

Textile Organon

JUNE, 1984

A MONTHLY REVIEW

Editor

Robert F. Antosbak

Editor,

Man-Made Fiber Producers' Handbook

Rosemarie Frick

Production Manager

Christine M. Holt

Computer Operation Manager

Eileen Ludwig

Statistician

Daniel L. Maisel

Publishing Headquarters:

Textile Economics Bureau, Inc.

101 Eisenhower Parkway

Roseland, NJ 07068

U.S.A.

Telephone: (201) 228-1107

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Contents

Features

World Man-Made Fiber Survey	81-115
World Production of Certain Fibers	81
Noncellulosic Fiber Production & Producing Capacity by Fiber	83
Noncellulosic Fiber Production & Producing Capacity by Country	84-87
Cellulosic Fiber Production & Producing Capacity by Country	88-91
Rayon Vs. Acetate Filament Yarn Production & Producing Capacity	92
Glass Fiber Production & Producing Capacity	93
Cigarette Tow Production	93
Acetate Staple Production & Producing Capacity	93
Olefin Production by Country	93
World Producer Directory	94-113
World Ownership Listing	113-115
Number of Producing Plants	115

Industry Regulars

Quarterly Man-Made Fiber Data	116-117
Filament Yarn Domestic Shipments	116
Staple+Tow Domestic Shipments	117
Monthly U.S. Man-Made Fiber Imports	118-119
By Country of Origin	118
For Consumption	119
Selected U.S. Textile Fiber Data	120

TABLE 2:
WORLD NONCELLULOSIC FIBER PRODUCTION BY FIBER EXCEPT OLEFIN
THOUSAND METRIC TONS

FIBER & AREA	ACTUAL PRODUCTION												PRODUCING CAPACITY															
	1977			1978			1979			1980			1981			1982			1983			1984			1985			
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	
ACRYLIC-MODACRYLIC																												
West Europe	677	677		794	794		795	795		737	737		807	807		753	753		851	851		1015	1015		996	996		
East Europe	184	184		200	200		213	213		217	217		211	211		209	209		220	220		281	281		331	331		
U.S.A.	322	322		329	329		345	345		355	355		313	313		283	283		304	304		365	365		367	367		
Other Americas	82	82		98	98		108	108		114	114		106	106		121	121		130	130		163	163		183	183		
Japan	335	338		370	373		355	359		347	348		344	347		348	348		355	357		394	400		6	394	400	
Other A. & O.	187	187		227	227		249	249		284	284		305	305		348	348		365	365		473	473		0	520	520	
TOTAL	3	1787	1790	3	2018	2021	4	2065	2069	3	2057	2060	1	2089	2090	3	2058	2061	2	2225	2227	6	2691	2697	6	2791	2797	
NYLON-ARAMID*																												
West Europe	566	122	688	566	150	716	571	148	719	521	128	649	521	129	650	474	107	581	488	119	607	632	170	802	652	164	816	
East Europe	394	31	425	405	31	436	414	31	445	461	55	516	454	79	533	460	83	543	486	83	569	666	94	760	694	94	788	
U.S.A.	686	369	1055	750	407	1157	808	426	1234	740	330	1070	717	341	1058	563	311	874	677	420	1097	844	474	1318	862	511	1373	
Other Americas	174	20	194	187	22	209	205	23	228	208	23	231	181	20	201	176	21	197	183	22	205	297	37	334	301	37	338	
Japan	292	16	308	293	16	309	296	17	313	300	18	318	282	19	301	265	19	284	271	18	289	319	24	343	319	24	343	
Other A. & O.	265	3	268	309	3	312	332	3	335	365	2	367	393	3	396	385	3	388	405	4	409	609	10	619	700	10	710	
TOTAL	2377	561	2938	2510	629	3139	2626	648	3274	2595	556	3151	2548	591	3139	2323	544	2867	2510	666	3176	3367	809	4176	3528	840	4368	
POLYESTER																												
West Europe	367	409	776	393	429	822	407	445	852	359	427	766	378	449	827	389	438	827	384	459	843	505	583	1088	504	599	1103	
East Europe	94	291	385	112	304	416	118	308	426	135	321	456	132	334	466	147	342	489	166	366	532	229	532	761	286	594	880	
U.S.A.	722	930	1652	710	1014	1724	779	1117	1896	663	1146	1809	712	1182	1894	550	887	1437	617	991	1608	684	1263	1947	688	1272	1960	
Other Americas	192	120	312	196	134	330	214	164	378	223	166	389	210	163	373	190	160	350	202	178	380	301	245	546	328	269	597	
Japan	278	294	572	318	319	637	314	318	632	305	321	626	310	321	631	314	314	628	310	320	630	412	349	761	412	349	761	
Other A. & O.	235	368	603	321	500	821	386	556	942	409	672	1081	479	795	1274	533	817	1350	649	933	1582	894	1295	2189	977	1677	2654	
TOTAL	1868	2412	4300	2050	2700	4750	2218	2908	5125	2094	3033	5127	2221	3244	5465	2123	2958	5081	2328	3247	5575	3025	4267	7292	3195	4760	7955	
OTHER FIBERS* EXCEPT OLEFIN																												
West Europe	4	10	14	3	9	12	5	11	16	6	11	17	6	7	13	6	9	15	6	9	15	8	12	20	8	12	20	
East Europe	9	5	14	9	7	16	5	7	12	4	4	4	1	3	4	1	3	4	1	3	4	1	8	9	1	8	9	
U.S.A.	7	1	8	7	1	8	8	1	9	9	9	9	10	1	11	8	1	9	+	+	+	14	+	14	+	14	+	
Other Americas	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	
Japan	17	45	62	15	42	57	17	42	59	18	43	61	14	33	47	14	31	45	14	28	42	28	103	131	28	103	131	
Other A. & O.	6	16	22	5	25	30	5	30	35	6	40	46	7	50	57	7	50	57	7	56	63	15	65	80	15	65	80	
TOTAL	44	77	121	40	84	124	41	91	132	40	98	138	39	94	133	37	94	131	28	96	124	67	188	255	67	188	255	
TOTAL FIBERS ABOVE																												
West Europe	937	1218	2155	962	1382	2344	983	1399	2382	886	1283	2169	905	1392	2297	869	1307	2176	878	1438	2316	1145	1780	2925	1164	1771	2935	
East Europe	497	511	1008	526	542	1068	537	559	1096	596	597	1193	587	627	1214	608	637	1245	652	672	1324	896	915	1811	981	1027	2008	
U.S.A.	1415	1622	3037	1467	1751	3218	1595	1889	3484	1412	1831	3243	1439	1837	3276	1121	1482	2603	1294	1715	3009	1542	2102	3644	1564	2150	3714	
Other Americas	367	222	589	384	254	638	420	295	715	432	303	735	392	289	681	367	302	669	386	330	716	599	445	1044	630	489	1119	
Japan	590	690	1280	629	747	1376	631	732	1363	626	732	1358	607	720	1327	596	708	1304	597	721	1318	765	870	1635	765	870	1635	
Other A. & O.	506	574	1080	635	755	1390	723	838	1561	780	998	1778	879	1153	2032	925	1218	2143	1061	1358	2419	1518	1843	3361	1692	2272	3964	
WORLD TOTAL	4312	4837	9149	4603	5431	10034	4889	5712	10601	4732	5744	10476	4809	6018	10827	4486	5654	10140	4868	6234	11102	6465	7955	14420	6796	8579	15375	

Y means yarn-monofilaments. S means staple-tow-fiberfill. The regional totals here are the same as those on pages 84-86.

a. U.S.A. nylon producing capacity data do not include aramid.

b. Other fibers are alginates, azlon, spandex or elastomer, saran, TFE-fluorocarbon, vinyl and vinyon. U.S.A. production data do not include spandex in 1983.

TABLE 3a:
WORLD NONCELLULOSIC FIBER PRODUCTION BY COUNTRY EXCEPT OLEFIN
THOUSAND METRIC TONS

COUNTRY	ACTUAL PRODUCTION											
	1977			1978			1979			1980		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
WESTERN EUROPE												
Austria	0	25.9	25.9	0	30.4	30.4	0	29.3	29.3	0	25.4	25.4
Benelux ^a	85.1	54.2	139.3	94.7	48.0	142.7	95.2	40.4	135.6	71.9	32.4	104.3
Eire (Ireland)	2.4	12.5	14.9	8.3	26.0	34.3	10.8	32.0	42.8	10.0	31.7	41.7
Finland	0.4	0	0.4	0.5	0	0.5	0.4	0	0.4	0.4	0	0.4
France	100.3	143.6	243.9	91.7	154.7	246.4	78.7	145.3	224.0	65.3	126.7	192.0
West Germany	325.0	365.2	690.2	326.0	403.4	729.4	338.0	421.5	759.5	317.7	402.4	720.1
Greece	7.7	7.5	15.2	8.5	7.9	16.4	9.2	9.5	18.7	9.0	10.0	19.0
Italy/Malta	118.4	211.7	330.1	117.9	236.5	354.4	126.6	233.6	360.2	124.9	229.9	354.8
Portugal	1.5	16.6	18.1	1.6	26.1	27.7	1.7	29.2	30.9	1.4	32.1	33.5
Spain	55.1	104.6	159.7	60.8	129.1	189.9	71.7	141.4	213.1	65.0	136.7	201.7
Switzerland	49.0	28.7	77.7	49.8	33.4	83.2	49.1	30.0	79.1	60.7	23.7	84.4
Turkey	15.0	65.5	80.5	22.1	60.6	82.7	30.0	77.0	107.0	28.0	70.0	98.0
United Kingdom	176.7	182.1	358.8	180.9	225.2	406.1	171.4	209.7	381.1	125.9	161.7	287.6
Total Western Europe	936.6	1218.1	2154.7	962.8	1381.3	2344.1	982.8	1398.9	2381.7	880.2	1282.7	2162.9
EASTERN EUROPE												
Albania	0	0	0	0	0	0	0	0	0	0	0	0
Bulgaria	12.5	31.5	44.0	13.0	33.0	46.0	13.0	35.0	48.0	17.3	37.0	54.3
Czechoslovakia	46.0	23.0	69.0	49.0	25.0	74.0	50.0	22.0	72.0	54.0	22.4	76.4
Germany, D.R.	53.0	71.0	124.0	53.5	74.0	127.5	54.6	77.9	132.5	57.0	82.0	139.0
Hungary	3.2	13.1	16.3	3.3	15.4	18.7	3.2	14.8	18.0	5.8	14.7	20.5
Poland	81.2	65.5	146.7	85.2	66.9	152.1	87.4	65.9	153.3	94.5	68.5	163.0
Romania	29.0	95.0	124.0	30.0	100.0	130.0	35.0	105.0	140.0	33.0	103.0	136.0
U.S.S.R.	265.0	191.0	456.0	275.0	200.0	475.0	273.0	203.0	476.0	319.0	231.0	550.0
Yugoslavia	7.3	20.3	27.6	17.0	28.0	45.0	21.0	35.0	56.0	23.0	40.0	63.0
Total Eastern Europe	497.2	510.4	1007.6	526.0	542.3	1068.3	537.2	558.6	1095.8	603.6	598.6	1202.2
TOTAL EUROPE	1433.8	1728.5	3162.3	1488.8	1923.6	3412.4	1520.0	1957.5	3477.5	1483.8	1881.3	3365.1

Y means yarn+monofilaments.

S means staple+tow+fiberfill.

a. Includes Belgium, Netherlands and Luxembourg.

ACTUAL PRODUCTION									PRODUCING CAPACITY					
1981			1982			1983			1984			1985		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
0	18.7	18.7	0	16.2	16.2	0	18.0	18.0	0	21.0	21.0	0	21.0	21.0
80.4	25.3	105.7	70.6	19.2	89.8	61.9	21.3	83.2	84.1	40.0	124.1	91.1	50.0	141.1
15.0	31.3	46.3	12.3	28.0	40.3	11.0	32.0	43.0	14.0	44.5	58.5	14.0	44.5	58.5
0.5	0	0.5	0.5	0	0.5	0.5	0	0.5	0.6	0	0.6	0.6	0	0.6
66.4	134.8	201.2	64.8	125.3	190.1	63.2	135.1	198.3	86.0	158.0	244.0	86.0	133.0	219.0
320.7	431.5	752.2	324.0	377.9	701.9	332.1	425.5	757.7	390.6	429.0	819.6	390.6	429.0	819.6
9.0	8.9	17.9	8.5	9.3	17.8	9.0	10.0	19.0	17.7	12.0	29.7	17.7	12.0	29.7
149.0	286.3	435.3	148.7	280.0	428.7	142.5	312.5	455.0	190.5	419.5	610.0	185.7	384.5	570.2
1.1	34.0	35.1	0.9	38.0	38.9	3.0	39.0	42.0	7.0	43.0	50.0	15.0	49.0	64.0
72.3	168.9	241.2	73.6	157.7	231.3	64.6	165.2	229.8	100.1	222.0	322.1	100.1	222.0	322.1
57.1	27.9	85.0	53.4	27.0	80.4	61.9	30.5	92.4	73.5	31.0	104.5	76.5	31.0	107.5
32.4	76.3	108.7	45.1	90.2	135.3	48.0	101.5	149.5	68.0	135.0	203.0	76.0	170.0	246.0
100.9	148.4	249.3	66.5	137.8	204.3	80.0	147.7	227.7	113.0	225.0	338.0	111.0	225.0	336.0
904.8	1392.3	2297.1	868.9	1306.6	2175.5	877.7	1438.4	2316.1	1145.1	1780.0	2925.1	1164.3	1771.0	2935.3
0	0	0	0	0	0	0	0	0	0	0	0	0	10.0	10.0
17.5	39.0	56.5	17.5	35.0	52.5	18.5	42.0	60.5	19.5	62.0	81.5	19.5	67.0	86.5
52.5	37.5	90.0	65.0	37.0	102.0	67.0	38.0	105.0	71.0	53.0	124.0	71.0	53.0	124.0
56.0	78.0	134.0	55.0	78.9	133.9	62.0	82.0	144.0	75.0	95.0	170.0	85.0	95.0	180.0
7.0	14.3	21.3	7.6	12.7	20.3	7.6	13.2	20.8	9.0	28.0	37.0	9.0	43.0	52.0
78.7	40.2	118.9	75.4	53.1	128.5	85.4	62.3	147.7	112.0	86.0	198.0	122.0	86.0	208.0
39.5	114.5	154.0	39.0	112.0	151.0	42.0	114.0	156.0	65.0	144.0	209.0	65.0	144.0	209.0
311.8	261.0	572.8	325.8	268.0	593.8	345.0	277.0	622.0	499.0	371.0	870.0	561.0	441.0	1002.0
24.0	41.0	65.0	22.0	40.5	62.5	25.0	44.0	69.0	44.0	77.5	121.5	49.0	87.5	136.5
587.0	625.5	1212.5	607.3	637.2	1244.5	652.5	672.5	1325.0	894.5	916.5	1811.0	981.5	1026.5	2008.0
1491.8	2017.8	3509.6	1476.2	1943.8	3420.0	1530.2	2110.9	3641.1	2039.6	2696.5	4736.1	2145.8	2797.5	4943.3

TABLE 3b:
WORLD NONCELLULOSIC FIBER PRODUCTION BY COUNTRY EXCEPT OLEFIN (continued)
 THOUSAND METRIC TONS

COUNTRY	ACTUAL PRODUCTION											
	1977			1978			1979			1980		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
U.S.A.	1415.2	1622.0	3037.2	1466.8	1751.2	3218.0	1594.5	1889.2	3483.7	1411.6	1830.5	3242.1
OTHER AMERICAS												
Argentina	24.4	15.8	40.2	22.2	17.0	39.2	29.6	22.6	52.2	21.3	12.9	34.2
Bolivia	0	0	0	0	0	0	0	0	0	0	0	0
Brazil	95.6	54.2	159.8	105.7	74.5	180.2	122.5	91.4	213.9	136.4	95.0	231.4
Canada	69.3	43.5	112.8	72.2	50.9	123.1	73.1	48.5	121.6	74.0	48.0	122.0
Chile	4.0	2.2	6.2	4.4	1.5	5.9	5.0	2.4	7.4	5.0	2.5	7.5
Colombia	32.7	6.1	38.8	33.2	7.8	41.0	28.7	8.0	36.7	28.2	10.9	39.1
Costa Rica	+	0	+	2.0	0	2.0	2.0	0	2.0	3.0	0	3.0
Ecuador	2.3	0	2.3	2.5	0	2.5	3.4	0	3.4	3.5	0	3.5
Guatemala	0	0	0	0	0	0	+	0	+	0	0	0
Mexico	120.4	65.6	186.0	123.4	75.9	199.3	136.1	93.0	229.1	137.0	102.4	239.4
Peru	5.6	19.2	24.8	5.6	20.5	26.1	7.0	21.0	28.0	10.5	22.5	33.0
Uruguay	1.1	+	1.1	1.1	+	1.1	1.1	2.4	3.5	1.1	2.6	3.7
Venezuela	11.7	5.7	17.4	11.5	5.5	17.0	11.7	6.1	17.8	11.5	6.0	17.5
Total Other Americas	367.1	222.3	589.4	383.8	253.6	637.4	420.2	295.4	715.6	431.5	302.8	734.3
JAPAN	590.2	690.2	1280.4	629.0	747.0	1376.0	631.2	731.9	1363.1	625.7	731.1	1356.8
OTHER AFRICA, ASIA & OCEANIA												
Australia/N.Z.	17.5	1.2	18.7	18.1	1.1	19.2	16.4	0.5	16.9	12.0	+	12.0
Bangladesh	0.3	0	0.3	0.5	0	0.5	0.2	0	0.2	0.3	0	0.3
China, P.R.O.	18.0	42.0	60.0	30.0	106.6	136.6	36.0	128.0	164.0	43.0	205.0	248.0
Egypt	0.8	0.4	1.2	0.8	0.4	1.2	1.5	0.4	1.9	1.8	5.0	6.8
India	25.6	21.6	47.2	32.8	25.7	58.5	35.8	27.8	63.6	39.7	30.8	70.5
Indonesia	17.3	37.2	54.5	21.3	45.4	66.7	22.7	50.3	73.0	41.5	53.9	95.4
Iran	8.5	0	8.5	9.0	+	9.0	5.0	0	5.0	6.0	0	6.0
Israel	5.8	5.6	11.4	8.9	6.2	15.1	9.9	6.4	16.3	10.5	6.6	17.1
Kenya	0	0	0	0	0	0	+	0	+	1.0	0	1.0
Korea, Rep. of	162.5	187.4	349.9	208.0	224.5	432.5	237.2	240.1	477.3	255.2	281.2	536.4
Malaysia	0	30.0	30.0	0	33.0	33.0	0	35.0	35.0	0	36.0	36.0
Nigeria	0	+	+	+	3.0	3.0	3.0	4.0	7.0	2.5	2.5	5.0
Pakistan	2.2	0	2.2	1.9	0	1.9	2.0	0	2.0	1.5	0	1.5
Philippines	14.9	7.8	22.7	16.0	8.6	24.6	25.0	11.6	36.6	30.0	14.0	44.0
South Africa	25.7	13.5	39.2	29.4	16.5	45.9	32.2	19.5	51.7	33.5	20.0	53.5
Sri Lanka	0	0	0	0	0	0	0	0	0	0	0	0
Taiwan	175.4	189.0	364.4	223.5	240.7	464.2	256.8	264.5	521.3	264.6	293.2	557.8
Tanzania	0	0	0	0	0	0	0	0	0	0	0	0
Thailand	31.7	38.1	69.8	34.7	43.6	78.3	39.7	49.9	89.6	36.5	49.5	86.0
Total Other A., A. & O.	506.2	573.8	1080.0	634.9	755.3	1390.2	723.4	838.0	1561.4	779.6	997.7	1777.3
WORLD TOTAL	4312.6	4836.8	9149.4	4603.4	5431.0	10034.4	4889.4	5712.0	10601.4	4732.3	5743.4	10475.7

WORLD NONCELLULOSIC FIBER PRODUCTION
THOUSAND METRIC TONS

ACTUAL PRODUCTION									PRODUCING CAPACITY					
1981			1982			1983			1984			1985		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
1438.8	1836.7	3275.5	1121.4	1481.7	2603.1	1293.5	1715.0	3008.5	1542.2	2101.5	3643.7	1564.0	2150.0	3714.0
16.0	8.3	24.3	18.1	11.9	30.0	24.2	16.0	40.2	46.2	30.0	76.2	46.2	30.0	76.2
0	0	0	1.0	0	1.0	2.0	0	2.0	5.0	0	5.0	5.0	0	5.0
115.0	86.8	201.8	116.0	82.1	198.1	105.7	79.6	185.3	161.4	111.2	272.6	161.4	111.2	272.6
65.9	40.0	105.9	52.0	45.0	97.0	59.3	53.0	112.3	92.4	67.0	159.4	95.4	77.0	172.4
5.0	2.5	7.5	4.6	0.8	5.4	4.7	1.0	5.7	10.7	5.0	15.7	10.7	6.0	16.7
32.8	11.2	44.0	26.0	12.0	38.0	28.0	12.0	40.0	44.5	15.0	59.5	60.7	15.0	75.7
3.2	0	3.2	3.5	0	3.5	3.5	0	3.5	8.0	0	8.0	8.0	0	8.0
3.5	0	3.5	4.0	0	4.0	4.0	0	4.0	7.0	0	7.0	7.0	7.3	14.3
0	0	0	0	0	0	0	0	0	2.0	0	2.0	2.0	0	2.0
133.0	111.0	244.0	122.1	115.4	237.5	132.2	131.0	263.2	192.2	172.2	364.4	202.9	192.2	395.1
10.1	21.1	31.2	10.4	29.4	39.8	11.5	29.4	40.9	16.0	33.0	49.0	16.0	38.0	54.0
0.9	2.1	3.0	0.9	2.3	3.2	1.3	3.7	5.0	1.7	3.5	5.2	1.7	4.0	5.7
7.5	6.0	13.5	8.2	3.6	11.8	9.7	4.0	13.7	12.4	7.8	20.2	13.2	7.8	21.0
392.9	289.0	681.9	366.8	302.5	669.3	386.1	329.7	715.8	599.5	444.7	1044.2	630.2	488.5	1118.7
607.0	721.8	1328.8	596.2	708.2	1304.4	597.4	720.9	1318.3	765.0	870.0	1635.0	765.0	870.0	1635.0
10.0	0	10.0	14.5	0	14.5	14.5	1.0	15.5	26.5	1.5	28.0	26.5	1.5	28.0
0.2	0	0.2	0.2	0	0.2	0.2	5.0	5.2	0.9	36.0	36.9	0.9	36.0	36.9
55.0	292.0	347.0	67.0	302.0	369.0	75.0	325.0	400.0	218.0	560.0	778.0	250.0	785.0	1035.0
2.0	5.0	7.0	3.3	10.6	13.9	3.5	12.6	16.1	9.0	34.6	43.6	9.0	67.6	76.6
50.9	39.8	90.7	62.0	44.2	106.2	87.2	40.4	127.6	100.0	90.5	190.5	152.5	162.1	314.6
46.4	55.1	101.5	60.9	55.2	116.1	70.0	68.5	138.5	80.0	80.0	160.0	80.0	112.0	192.0
10.0	10.0	20.0	13.0	15.0	28.0	18.0	22.0	40.0	35.7	37.7	73.4	51.7	37.7	89.4
10.5	6.8	17.3	11.5	7.0	18.5	11.6	7.0	18.6	16.0	7.5	23.5	16.0	7.5	23.5
1.0	0	1.0	1.0	0	1.0	3.1	0	3.1	11.0	5.4	16.4	11.0	5.4	16.4
284.0	326.4	610.4	301.4	311.0	612.4	336.3	327.6	663.9	368.0	367.5	735.5	389.0	367.5	756.5
0	35.0	35.0	0	32.0	32.0	0	35.0	35.0	0	37.5	37.5	0	37.5	37.5
2.7	4.0	6.7	1.2	1.1	2.3	2.5	2.5	5.0	5.0	5.0	10.0	5.0	5.0	10.0
1.5	0	1.5	5.1	6.9	12.0	7.5	10.0	17.5	14.4	24.0	38.4	27.5	24.0	51.5
32.0	14.0	46.0	35.0	15.0	50.0	37.0	16.0	53.0	43.0	18.0	61.0	43.0	18.0	61.0
32.6	20.0	52.6	35.0	20.0	55.0	36.0	21.0	57.0	43.0	22.0	65.0	51.0	30.0	81.0
0.8	0	0.8	1.0	0	1.0	1.0	0	1.0	2.7	0	2.7	2.7	0	2.7
298.2	288.8	587.0	280.8	350.1	630.9	323.4	414.0	737.4	466.8	450.0	916.8	496.8	510.0	1006.8
0	0	0	1.0	0	1.0	2.0	0	2.0	5.0	0	5.0	5.0	0	5.0
40.4	56.3	96.7	31.1	48.0	79.1	32.0	50.0	82.0	73.4	65.3	138.7	74.0	65.3	139.3
878.2	1153.2	2031.4	925.0	1218.1	2143.1	1060.8	1357.6	2418.4	1518.4	1842.5	3360.9	1691.6	2272.1	3963.7
4808.7	6018.5	10827.2	4485.6	5654.3	10139.9	4868.0	6234.1	11102.1	6464.7	7955.2	14419.9	6796.6	8578.1	15374.7

TABLE 4a:
WORLD CELLULOSIC FIBER PRODUCTION BY COUNTRY
THOUSAND METRIC TONS

COUNTRY	ACTUAL PRODUCTION											
	1977			1978			1979			1980		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
WESTERN EUROPE												
Austria	12.6	90.2	102.8	11.3	96.0	107.3	12.0	98.8	110.8	15.3	100.6	115.9
Belgium/Netherlands	36.2	23.0	59.2	36.0	23.6	59.6	36.1	26.9	63.0	37.4	22.0	59.4
Finland	1.2	39.8	41.0	1.2	42.8	44.0	1.2	48.0	49.2	0.6	47.2	47.8
France	20.8	60.7	81.5	19.3	55.2	74.5	18.5	58.9	77.4	16.4	49.6	66.0
West Germany	63.7	46.0	109.7	59.7	49.0	108.7	58.1	50.0	108.1	65.2	46.0	111.2
Greece	7.2	0	7.2	7.2	0	7.2	7.2	0	7.2	7.2	0	7.2
Italy	44.4	62.3	106.7	39.3	46.9	86.2	38.4	39.0	77.4	36.6	27.5	64.1
Norway	0	24.6	24.6	0	28.4	28.4	0	29.3	29.3	0	28.4	28.4
Portugal	2.6	1.4	4.0	2.1	1.2	3.3	2.5	1.7	4.2	2.7	0.7	3.4
Spain	15.0	43.1	58.1	13.8	46.6	60.4	12.6	45.3	57.9	12.8	40.1	52.9
Sweden	0	33.1	33.1	0	36.9	36.9	0	36.9	36.9	0	34.9	34.9
Switzerland	4.7	0	4.7	4.1	0	4.1	3.3	0	3.3	1.8	0	1.8
Turkey	0.3	4.0	4.3	0.3	4.0	4.3	0.3	6.0	6.3	0.3	5.0	5.3
United Kingdom	62.6	113.6	176.2	59.7	124.4	184.1	59.2	139.2	198.4	36.7	109.3	146.0
Total Western Europe	271.3	541.8	813.1	254.0	555.0	809.0	249.4	580.0	829.4	233.0	511.3	744.3
EASTERN EUROPE												
Bulgaria	3.0	25.7	28.7	3.2	27.8	31.0	3.2	30.0	33.2	3.3	33.0	36.3
Czechoslovakia	22.0	50.6	72.6	21.5	49.5	71.0	22.0	36.0	58.0	19.8	34.9	54.7
Germany, D.R.	36.0	131.0	167.0	34.0	129.2	163.2	35.0	130.0	165.0	36.5	132.0	168.5
Hungary	0	9.1	9.1	0	9.0	9.0	0	8.6	8.6	0	9.0	9.0
Poland	28.6	67.1	95.7	28.0	65.4	93.4	27.2	56.6	83.8	25.4	61.0	86.4
Romania	9.0	50.4	59.4	9.5	53.0	62.5	9.7	55.0	64.7	9.5	54.0	63.5
U.S.S.R.	295.0	334.0	629.0	300.0	335.0	635.0	298.0	337.0	635.0	305.0	345.0	650.0
Yugoslavia	14.9	56.0	70.9	15.0	57.0	72.0	15.5	58.0	73.5	15.0	58.0	73.0
Total Eastern Europe	408.5	723.9	1132.4	411.2	725.9	1137.1	410.6	711.2	1121.8	414.5	726.9	1141.4
TOTAL EUROPE	679.8	1265.7	1945.5	665.2	1280.9	1946.1	660.0	1291.2	1951.2	647.5	1238.2	1885.7

Y means yarn+monofilaments.

S means staple+tow+fiberfill.

These totals do not include data for the Indonesian pilot plant nor production of cellulosic fibers in North Korea.

Production and producing capacity by country, divided as between rayon and acetate yarn, is given on page 92. Also note page 93 for data on production of acetate staple and cigarette tow.

ACTUAL PRODUCTION									PRODUCING CAPACITY					
1981			1982			1983			1984			1985		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
15.6	107.9	123.5	13.8	100.8	114.6	11.5	109.7	121.2	16.5	111.5	128.0	16.5	113.0	129.5
38.3	14.6	52.9	38.1	8.9	47.0	41.1	6.1	47.2	43.9	17.8	61.7	43.9	0	43.9
0	46.6	46.6	0	53.1	53.1	0	57.6	57.6	0	61.0	61.0	0	61.0	61.0
11.0	42.9	53.9	8.6	36.9	45.5	8.4	29.5	37.9	10.0	0	10.0	10.0	0	10.0
65.0	50.0	115.0	61.0	50.0	111.0	59.0	55.0	114.0	68.0	55.0	123.0	68.0	55.0	123.0
7.2	0	7.2	7.2	0	7.2	6.3	0	6.3	7.5	0	7.5	7.5	0	7.5
35.1	24.4	59.5	31.6	14.2	45.8	29.3	0	29.3	35.0	0	35.0	41.0	0	41.0
0	28.4	28.4	0	20.0	20.0	0	0	0	0	0	0	0	0	0
2.9	0.3	3.2	3.1	0	3.1	3.5	0	3.5	4.0	0	4.0	4.0	0	4.0
12.6	37.8	50.4	11.3	31.8	43.1	10.5	21.5	32.0	17.1	35.0	52.1	17.1	35.0	52.1
0	34.7	34.7	0	38.0	38.0	0	39.3	39.3	0	45.0	45.0	0	45.0	45.0
+	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.3	5.0	5.3	0.3	5.3	5.6	0.3	4.0	4.3	0.5	8.0	8.5	0.5	8.0	8.5
27.0	102.4	129.4	24.0	89.2	113.2	25.0	115.2	140.2	36.0	115.5	151.5	36.0	115.5	151.5
215.0	495.0	710.0	199.0	448.2	647.2	194.9	437.9	632.8	238.5	448.8	687.3	244.5	432.5	677.0
4.3	34.7	39.0	4.0	34.0	38.0	4.1	35.0	39.1	5.0	42.0	47.0	5.0	42.0	47.0
18.2	36.0	54.2	19.6	35.5	55.1	20.1	37.9	58.0	25.0	57.0	82.0	25.0	57.0	82.0
37.0	132.0	169.0	34.0	127.8	161.8	35.0	130.1	165.1	38.5	145.0	183.5	38.5	152.0	190.5
0	7.5	7.5	0	7.6	7.6	0	6.4	6.4	0	10.0	10.0	0	10.0	10.0
19.5	44.4	63.9	19.3	45.1	64.4	18.2	51.2	69.4	31.5	71.5	103.0	31.5	71.5	103.0
9.6	55.0	64.6	8.2	50.0	58.2	8.5	51.0	59.5	10.0	55.0	65.0	10.0	170.0	180.0
300.0	345.5	645.5	294.4	340.5	634.9	300.0	345.0	645.0	340.0	353.0	693.0	340.0	353.0	693.0
15.0	58.0	73.0	13.0	55.0	68.0	14.0	58.0	72.0	17.0	60.0	77.0	17.0	60.0	77.0
403.6	713.1	1116.7	392.5	695.5	1088.0	399.9	714.6	1114.5	467.0	793.5	1260.5	467.0	915.5	1382.5
613.6	1208.1	1826.7	591.5	1143.7	1735.2	594.8	1152.5	1747.3	705.5	1242.3	1947.8	711.5	1348.0	2059.5

TABLE 4b:
WORLD CELLULOSIC FIBER PRODUCTION BY COUNTRY
THOUSAND METRIC TONS

COUNTRY	ACTUAL PRODUCTION											
	1977			1978			1979			1980		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
U.S.A.	160.0	242.7	402.7	164.6	245.7	410.3	169.4	252.4	421.8	161.3	204.3	365.6
OTHER AMERICAS												
Argentina	5.5	5.7	11.2	4.4	3.8	8.2	5.1	4.7	9.8	2.0	1.5	3.5
Brazil	28.8	21.7	50.5	24.1	22.4	46.5	24.4	25.5	49.9	26.0	25.3	51.3
Canada	11.0	26.2	37.2	12.3	26.8	39.1	14.1	31.3	45.4	14.0	30.0	44.0
Chile	0.9	2.9	3.8	0.8	3.3	4.1	1.0	3.0	4.0	1.0	3.0	4.0
Colombia	3.3	0	3.3	3.4	0	3.4	3.4	0	3.4	2.4	0	2.4
Cuba	2.4	3.7	6.1	2.3	3.7	6.0	2.4	3.8	6.2	2.2	3.8	6.0
Mexico	18.7	8.8	27.5	17.2	10.5	27.7	17.1	10.3	27.4	16.8	11.0	27.8
Peru	1.3	0	1.3	1.1	0	1.1	1.3	0	1.3	1.5	0	1.5
Uruguay	1.2	0	1.2	1.3	0	1.3	1.4	0	1.4	1.3	0	1.3
Venezuela	3.0	0	3.0	3.0	0	3.0	3.0	0	3.0	2.8	0	2.8
Total Other Americas	76.1	69.0	145.1	69.9	70.5	140.4	73.2	78.6	151.8	70.0	74.6	144.6
JAPAN	107.4	272.7	380.1	109.8	279.4	389.2	114.3	290.4	404.7	119.3	278.0	397.3
OTHER AFRICA, ASIA & OCEANIA												
Bangladesh	1.4	0	1.4	3.0	0	3.0	4.1	0	4.1	3.5	0	3.5
China, P.R.O.	61.0	77.0	138.0	65.0	80.0	145.0	68.0	85.0	153.0	75.0	95.0	170.0
Egypt	6.2	2.4	8.6	6.0	3.7	9.7	5.8	4.2	10.0	6.0	4.0	10.0
India	58.9	87.1	146.0	62.4	92.0	154.4	60.5	92.2	152.7	57.7	74.7	132.4
Indonesia	0	0	0	0	0	0	0	0	0	0	0	0
Iraq	2.8	5.3	8.1	3.0	5.5	8.5	2.9	5.4	8.3	3.0	5.5	8.5
Korea, Rep. of	12.8	9.7	22.5	12.7	10.0	22.7	13.2	10.4	23.6	12.4	15.0	27.4
Pakistan	2.6	0	2.6	2.3	0	2.3	2.0	0	2.0	2.7	0	2.7
Taiwan	3.0	66.6	69.6	3.1	66.9	70.0	3.0	70.0	73.0	3.0	75.3	78.3
Thailand	0	10.7	10.7	0	13.5	13.5	0	15.1	15.1	0	16.4	16.4
Total Other A.A. & O.	148.7	258.8	407.5	157.5	271.6	429.1	159.5	282.3	441.8	163.3	285.9	449.2
WORLD TOTAL	1172.0	2108.9	3280.9	1167.0	2148.1	3315.1	1176.4	2194.9	3371.3	1161.4	2081.0	3242.4

ACTUAL PRODUCTION									PRODUCING CAPACITY					
1981			1982			1983			1984			1985		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
138.6	210.7	349.3	103.6	161.0	264.6	115.3	170.0	285.3	150.1	231.3	381.4	150.1	231.3	381.4
1.0	0	1.0	1.6	0	1.6	1.7	0	1.7	10.0	10.0	20.0	10.0	10.0	20.0
21.0	25.3	46.3	20.8	24.2	45.0	18.4	22.0	40.4	25.2	31.2	56.4	25.2	31.2	56.4
13.5	28.2	41.7	9.5	28.0	37.5	10.0	30.0	40.0	14.5	38.0	52.5	14.5	38.0	52.5
1.0	3.0	4.0	1.0	3.2	4.2	1.0	3.2	4.2	2.0	5.4	7.4	2.0	5.4	7.4
1.8	0	1.8	1.8	0	1.8	1.8	0	1.8	3.5	0	3.5	3.5	0	3.5
2.2	3.8	6.0	2.1	3.6	5.7	2.0	3.5	5.5	3.0	5.0	8.0	3.0	5.0	8.0
16.6	11.3	27.9	14.1	5.4	19.5	10.8	5.0	15.8	14.7	10.2	24.9	14.7	10.2	24.9
1.3	0	1.3	1.0	0	1.0	1.0	0	1.0	1.7	0	1.7	1.7	0	1.7
1.0	0	1.0	0.6	0	0.6	1.0	0	1.0	1.4	0	1.4	1.4	0	1.4
2.8	0	2.8	1.2	0	1.2	1.5	0	1.5	2.4	0	2.4	2.4	0	2.4
62.2	71.6	133.8	53.7	64.4	118.1	49.2	63.7	112.9	78.4	99.8	178.2	78.4	99.8	178.2
118.7	273.5	392.2	120.5	258.8	379.3	116.8	267.9	384.7	136.0	314.3	450.3	136.0	314.3	450.3
3.0	0	3.0	2.5	0	2.5	2.5	1.0	3.5	5.4	5.0	10.4	5.4	5.0	10.4
80.0	105.0	185.0	80.0	105.0	185.0	85.0	112.0	197.0	100.0	130.0	230.0	100.0	130.0	230.0
6.0	4.0	10.0	7.0	4.5	11.5	7.0	4.6	11.6	7.0	5.4	12.4	7.0	5.4	12.4
55.9	94.5	150.4	48.6	52.8	101.4	46.2	69.2	115.4	69.5	92.0	161.5	69.5	165.8	235.3
0	0	0	0	10.1	10.1	0	12.0	12.0	0	36.0	36.0	0	36.0	36.0
3.0	5.5	8.5	3.0	5.5	8.5	3.0	5.5	8.5	3.5	6.5	10.0	3.5	6.5	10.0
12.8	13.9	26.7	9.9	5.8	15.7	12.9	0	12.9	13.8	27.0	40.8	13.8	27.0	40.8
2.4	0	2.4	1.8	0	1.8	2.5	0	2.5	3.3	0	3.3	3.3	0	3.3
3.0	96.7	99.7	3.3	89.5	92.8	3.0	98.5	101.5	4.3	99.4	103.7	4.3	99.4	103.7
0	16.4	16.4	0	15.5	15.5	0	17.5	17.5	0	18.2	18.2	0	18.2	18.2
166.1	336.0	502.1	156.1	288.7	444.8	162.1	320.3	482.4	206.8	419.5	626.3	206.8	493.3	700.1
1104.2	2099.9	3204.1	1025.4	1916.6	2942.0	1038.2	1974.4	3012.6	1276.8	2307.2	3584.0	1282.8	2486.7	3769.5

TABLE 5: RAYON VS. ACETATE FILAMENT YARN PRODUCTION BY COUNTRY
THOUSAND METRIC TONS

	WEST EUROPE																				
	AUSTRIA		BELGIUM/ NETHERLANDS			FRANCE		WEST GERMANY			ITALY			SPAIN			UNITED KINGDOM			OTH- ER ^a	
YEAR	H	R	H	R	A	H	R	H	R+C	A	H	R+C	A	H	R	A	H	R	A	R	
1977	9	4	17	14	5	8	13	38	24	2	11	15	18	7	6	2	17	12	33	16	
1978	8	3	15	15	6	9	10	35	23	2	11	11	17	6	5	3	15	10	35	15	
1979	8	4	14	15	7	9	9	33	23	2	11	9	18	5	5	3	11	10	38	15	
1980	11	4	15	16	6	8	9	40	24	1	11	5	21	6	4	3	1	2	34	12	
1981	11	5	16	16	6	2	9	39	25	1	11	5	19	6	3	3	0	0	27	11	
1982	9	5	15	17	6	0	9	40	21	0	9	3	19	4	4	3	0	0	24	8	
1983	8	4	18	17	7	0	9	39	20	0	9	2	18	3	4	3	0	0	25	9	
PRODUCING CAPACITY																					
1984	11	5	19	17	8	0	10	43	25	0	12	3	20	9	5	4	0	0	36	12	
1985	11	5	19	17	8	0	10	43	25	0	12	9	20	9	5	4	0	0	36	12	
	W. EUROPE (cont.)					EAST EUROPE															
	TOTAL WEST EUROPE				BUL- GARIA	CZECHO- SLOVAKIA		GERMAN DEM. REP.		POLAND		ROMANIA		U.S.S.R.		YUGO- SLAVIA		TOTAL EAST EUROPE			
YEAR	H	R+C	A	R	H	R	H	R	H	R	H	R	H	R+C	A	H	R	H	R+C	A	
1977	107	104	60	3	10	12	13	23	8	21	6	3	165	80	50	7	8	209	150	50	
1978	99	92	63	3	10	12	13	21	8	20	6	3	165	80	55	7	8	209	147	55	
1979	91	90	68	3	10	12	13	22	7	20	6	4	163	80	55	7	9	206	150	55	
1980	92	76	65	3	9	11	14	23	7	18	6	4	165	85	55	7	8	208	152	55	
1981	85	74	56	4	8	10	14	23	5	15	6	4	165	80	55	7	8	205	144	55	
1982	77	67	52	4	8	12	13	21	4	15	5	3	160	80	54	6	7	196	142	54	
1983	77	65	53	4	8	12	14	22	4	14	5	3	162	83	55	7	7	200	145	55	
PRODUCING CAPACITY																					
1984	94	77	68	5	11	14	14	24	9	23	6	4	170	100	70	8	9	216	179	70	
1985	94	83	68	5	11	14	14	24	9	23	6	4	170	100	70	8	9	218	179	70	
	OTHER AMERICAS																				
	U.S.A.			ARGENTINA			BRAZIL			CAN- ADA	CHILE	COL- OMBIA	CUBA		MEXICO			PERU		URU- GUAY	
YEAR	H	R+C	A	H	R	A	H	R	A	A	R	A	H	R	H	R	A	R	A	A	
1977	25	7	128	1	3	1	11	12	6	11	1	3	2	+	3	7	9	1	1	1	
1978	21	7	137	1	2	1	8	12	4	12	1	4	2	+	3	6	9	+	1	1	
1979	19	7	143	1	3	1	7	15	3	14	1	4	2	+	3	6	8	+	1	1	
1980	14	7	140	1	1	+	6	16	4	14	1	2	2	+	3	6	8	0	2	1	
1981	15	7	117	0	+	1	4	14	3	13	1	2	2	+	3	6	8	0	1	1	
1982	9	6	88	0	0	1	4	15	2	10	1	2	2	+	3	5	6	0	1	1	
1983	7	5	103	0	0	2	3	14	1	10	1	2	2	+	3	2	6	0	1	1	
PRODUCING CAPACITY																					
1984	21	7	122	1	5	3	5	16	5	14	2	4	3	+	3	3	9	0	2	1	
1985	21	7	122	1	5	3	5	16	5	14	2	4	3	+	3	3	9	0	2	1	
	OTHER AMERICAS (cont.)					OTHER AFRICA, ASIA & OCEANIA															
	VENE- ZUELA	TOTAL OTHER AMERICAS			JAPAN			INDIA			PAKI- STAN	REP. OF KOREA	OTH- ER ^b	TOTAL OTHER A.A. & O			WORLD TOTAL				
YEAR	A	H	R	A	H	R+C	A	H	R	A	A	R	A	R	H	R	A	H	R+C	A	
1977	3	17	24	35	4	74	29	17	40	2	3	11	2	74	17	125	7	379	484	309	
1978	3	14	21	35	4	78	28	18	42	2	2	11	2	80	18	133	6	365	478	324	
1979	3	13	25	35	3	80	31	17	42	2	2	11	2	84	17	137	6	349	489	338	
1980	3	12	24	34	3	84	32	14	42	2	3	10	2	90	14	142	7	343	485	333	
1981	3	9	21	32	4	82	32	14	40	2	2	11	2	95	14	146	6	332	474	298	
1982	3	9	21	25	4	83	34	14	38	2	2	8	2	96	14	142	6	309	461	259	
1983	1	8	17	24	3	82	32	11	36	2	3	11	2	97	11	144	7	306	458	274	
PRODUCING CAPACITY																					
1984	2	12	26	40	10	92	34	21	46	3	3	12	2	120	21	178	8	376	559	342	
1985	2	12	26	40	10	92	34	21	46	3	3	12	2	120	21	178	8	376	565	342	

H Means high tenacity (tire & industrial type) viscose rayon yarn.
R Means regular+intermediate tenacity viscose rayon yarn.
C Means cuprammonium rayon yarn.
A Means acetate+triacetate yarn.

a. Comprises Finland, Greece, Portugal, Switzerland and Turkey.
b. Comprises Bangladesh, People's Republic of China, Egypt, Iraq and Taiwan.

TABLE 6: WORLD GLASS FIBER PRODUCTION & PRODUCING CAPACITY

THOUSAND METRIC TONS

COUNTRY	PRODUCTION							CAPACITY	
	1977	1978	1979	1980	1981	1982	1983	1984	1985
WEST EUROPE	282	304	310	300	277	250	290	370	370
EAST EUROPE ^a	357	419	460	393	472	408	530	50	50
U.S.A.	26	27	28	30	31	35	37	761	834
OTHER AMERICAS	127	146	178	167	174	198	206	60	60
JAPAN	13	12	12	13	14	12	14	238	260
OTHER A.A. & O ^b								31	31
TOTAL ABOVE	815	908	988	903	968	903	1077	1510	1605
CHINA P.R.C.	DATA ARE NOT AVAILABLE						30	30	50
U.S.S.R.							65	65	100

Glass fiber is defined on page 94 of this issue. The glass fiber producing capacity, in operable condition, is shown on an annual rate basis as of March 1984 (1984) and December 1985 (1985).

a. The data for East Europe do not include estimates for the U.S.S.R.

b. The Other Africa, Asia & Oceania countries are Australia, India and South Africa.

TABLE 7: ESTIMATED WORLD CIGARETTE TOW PRODUCTION

THOUSAND METRIC TONS

AREA	1977	1978	1979	1980	1981	1982	1983
EUROPE ^a	67	76	74	74	81	81	80
U.S.A.	173	180	199	220	226	216	211
OTHER AMERICAS ^b	39	40	41	41	42	42	43
ASIA ^c							
WORLD TOTAL	279	296	314	335	349	339	334

a. Belgium, Fed. Rep. of Germany, U.S.S.R. & United Kingdom.

b. Brazil, Canada, Colombia, Mexico & Venezuela.

c. Japan and Rep. of Korea.

TABLE 8: WORLD ACETATE STAPLE PRODUCTION & CAPACITY

THOUSAND METRIC TONS

COUNTRY	PRODUCTION							CAPACITY	
	1977	1978	1979	1980	1981	1982	1983	1984	1985
U.K.	0.7	0.5	0.5	0.3	0.2	0.2	0.2	0.5	0.5
U.S.A.	3.6	3.2	3.2	3.2	1.8	0.5	0.6	1.8	1.8
CANADA	1.7	0.6	0	0	0	0	0	0	0
INDIA	0.2	0.4	0.4	0.1	0.3	0.3	0.2	0.8	0.8
WORLD TOTAL	6.2	4.7	4.1	3.6	2.3	1.0	1.0	3.1	3.1

CORRECTION

The May 1984 and November 1984 noncellulosic yarn+monofilament and staple+tow capacity totals found on page 73 of the May 1984 *Organon* should be changed to read:

	YARN+MONO	STAPLE+TOW
May 1984	4518	4933
Nov 1984	4532	4972

TABLE 9: WORLD OLEFIN FIBER PRODUCTION

THOUSAND METRIC TONS

COUNTRY	1977	1978	1979	1980	1981	1982	1983
WEST EUROPE							
BENELUX	41	49	56	57	66	73	75
DENMARK	12	14	15	14	14	13	14
FRANCE	26	30	24	27	28	26	29
GERMANY, F.R.	51	52	57	53	56	55	61
IRELAND (EIRE)	6	5	6	9	9	8	9
ITALY	53	59	61	57	62	59	67
UNITED KINGDOM	79	80	82	80	81	76	80
SUBTOTAL EEC	268	289	301	297	316	310	335
AUSTRIA	15	18	19	18	17	19	20
FINLAND	3	3	3	3	3	3	4
GREECE/CYPRUS	8	9	10	9	9	9	10
NORWAY	3	3	4	4	4	4	5
PORTUGAL	27	39	38	40	38	38	39
SPAIN	35	36	37	38	38	36	36
SWEDEN	3	3	3	3	3	3	4
SWITZERLAND	3	3	3	3	3	3	4
TURKEY	5	6	5	5	5	5	6
TOTAL WEST EUROPE	370	409	423	420	436	430	463
EAST EUROPE							
CZECHOSLOVAKIA	12	11	12	11	11	11	12
HUNGARY	8	10	13	15	16	16	16
POLAND	13	14	13	14	15	12	15
U.S.S.R.	12	12	15	15	15	14	18
U.S.A.							
YARN+MONOFIL	138	143	151	147	145	134	178
STAPLE	36	43	54	52	64	63	86
FILM FIBER	113	128	139	140	148	131	144
OTHER AMERICAS							
ARGENTINA	10	11	11	10	10	11	12
BRAZIL	33	40	39	40	40	39	36
CANADA	32	31	32	30	30	28	32
CHILE	0	1	1	1	1	1	1
EL SALVADOR	2	2	2	2	2	2	3
GUATEMALA							
HONDURAS							
MEXICO	17	18	20	22	23	23	26
NICARAGUA	1	1	1	1	1	1	1
PERU	5	5	5	5	6	6	6
URUGUAY	2	1	1	1	2	1	2
JAPAN							
YARN+MONOFIL	15	16	18	16	14	14	14
STAPLE	25	27	29	27	26	25	29
FILM FIBER	45	NA	NA	NA	NA	NA	NA
OTHER AFRICA, ASIA & OCEANIA							
AUSTRALIA	17	18	20	20	20	19	21
KOREA, REP. OF	6	7	8	4	3	2	1
PHILIPPINES	1	2	2	2	2	3	3
SOUTH AFRICA	9	3	3	3	3	3	5
TAIWAN	40	44	46	50	53	56	60
OTHER	*	*	*	*	*	*	1

The olefin data shown comprise (a) the tonnages of yarn, monofilaments and staple plus film fiber reported by official sources, such as governments, trade associations or other statistical agents plus (b) estimates of the additional tonnages of olefin fiber not included in the aforementioned data. Note text on page 115.

No attempt is made to strike a world total inasmuch as data are incomplete for a number of countries, particularly in Latin America, East Europe and Other Africa, Asia & Oceania.